

SEQUENCE LISTING

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<120> METHODS AND MATERIALS RELATING TO NOVEL SECRETED ADIPONECTIN-LIKE POLYPEPTIDES AND POLYNUCLEOTIDES

<130> HYS-46

<140> Not Yet Assigned

<141> 2001-12-03

<150> US 09/488,725

<151> 2000-01-21

<150> US 09/552,317

<151> 2000-04-25

<150> PCT/US00/35017

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TROEDE 55450001

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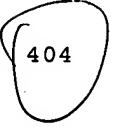
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TOP SECRET 6645000T

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Leu Gln Leu Gly Arg Phe Asn Cys Pro Val Asn Gly Thr Tyr Val Phe

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755	760		765			
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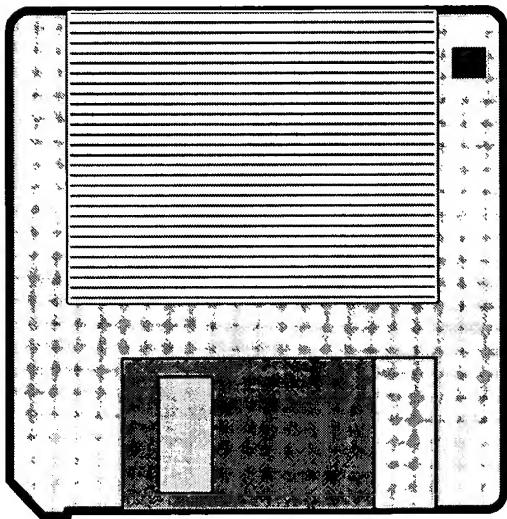
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PLEASE
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THESE
PAPERS

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三國志

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Pro Val His Val Tyr Pro Leu Pro Gln Gln Met Arg Val Ala Phe Ser			
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Ala Ala Arg Thr Ser Asn Leu Ala Pro Gly Thr Leu Asp Gln Pro Tyr			
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Gly Val Asp Leu Leu Asn Leu Gly Glu Thr Phe Asp Leu Gln			
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Leu Gly Arg Phe Asn Cys Pro Val Asn Gly Thr Tyr Val Phe Ile Phe			
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His Met Leu Lys Leu Ala Val Asn Val Pro Leu Tyr Val Asn Leu Met			
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Lys Asn Glu Glu Val Leu Val Ser Ala Tyr Ala Asn Asp Gly Ala Pro			

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TOEPRINTS

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Pro Glu Thr Pro Lys Ser Trp Glu Asn Asn Val Glu Ser Gln Lys His
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Thr Ala Ser Leu Ile Pro Asn Asp Gln Leu Leu Pro Arg Lys Leu Asn
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Ser Ser Gln Ser Asp Phe Leu Gln Glu Pro Leu Gln Val Phe Asn Val
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SEQUENCE

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Ile Phe His Met
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Glu Thr Ala Ser Asn His Ala Ile Leu Gln Leu Phe Gln Gly Asp Gln
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Ile Trp Leu Arg Leu His
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<210> 19

<211> 20

<212> PRT

<213> Homo sapiens

TIGER2000

<400> 19

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Ile Trp Leu Arg
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<210> 20

<211> 11

<212> PRT

<213> Homo sapiens

<400> 20

Lys Tyr Ser Thr Phe Ser Gly Tyr Leu Leu Tyr
1 5 10

<210> 21

<211> 10

<212> PRT

<213> Homo sapiens

<400> 21

Ser Thr Phe Ser Gly Tyr Leu Leu Tyr Gln
1 5 10

<210> 22

<211> 20

<212> PRT

<213> Homo sapiens

<400> 22

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Lys Leu Ala Val
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<211> 815

<212> PRT

<213> Homo sapiens

<400> 23

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Gln Leu Gln Phe Gln Ala Arg Glu Tyr Ser Gly Ala Pro Tyr Ser Gln
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Arg Ile Ser Ala Ile Thr Thr Val Ser Val Ala Trp Lys Val Leu Ser
35 40 45

Gly Lys Ile Gly Glu Gly Ala Glu Gly Asn Cys Lys Cys Val Ile Ser
50 55 60

Glu Gly Ala Trp Ala Val Cys Pro Thr Gln Pro Cys Gly Lys Ala Lys
65 70 75 80

Pro Asp Lys His Leu Lys Asp Leu Leu Ser Lys Leu Leu Asn Ser Gly
85 90 95

Tyr Phe Glu Ser Ile Pro Val Pro Lys Asn Ala Lys Glu Lys Glu Val
100 105 110

Pro Leu Glu Glu Glu Met Leu Ile Gln Ser Glu Lys Lys Thr Gln Leu
115 120 125

Ser Lys Thr Glu Ser Val Lys Glu Ser Glu Ser Leu Met Glu Phe Ala
130 135 140

Gln Pro Glu Ile Gln Pro Gln Glu Phe Leu Asn Arg Arg Tyr Met Thr

145

150

155

160

Glu Val Asp Tyr Ser Asn Lys Gln Gly Glu Glu Gln Pro Trp Glu Ala
165 170 175

Asp Tyr Ala Arg Lys Pro Asn Leu Pro Lys Arg Trp Asp Met Leu Thr
180 185 190

Glu Pro Asp Gly Gln Glu Lys Lys Gln Glu Ser Phe Lys Ser Trp Glu
195 200 205

Ala Ser Gly Lys His Gln Glu Val Ser Lys Pro Ala Val Ser Leu Glu
210 215 220

Gln Arg Lys Gln Asp Thr Ser Lys Leu Arg Ser Thr Leu Pro Glu Glu
225 230 235 240

Gln Lys Lys Gln Glu Ile Ser Lys Ser Lys Pro Ser Pro Ser Gln Trp
245 250 255

Lys Gln Asp Thr Pro Lys Ser Lys Ala Gly Tyr Val Gln Glu Glu His
260 265 270

Lys Lys Gln Glu Thr Pro Lys Leu Trp Pro Val Gln Leu Gln Lys Glu
275 280 285

Gln Asp Pro Lys Lys Gln Thr Pro Lys Ser Trp Thr Pro Ser Met Gln
290 295 300

Ser Glu Gln Asn Thr Thr Lys Ser Trp Thr Thr Pro Met Cys Glu Glu
305 310 315 320

Gln Asp Ser Lys Gln Pro Glu Thr Pro Lys Ser Trp Glu Asn Asn Val
325 330 335

Glu Ser Gln Lys His Ser Leu Thr Ser Gln Ser Gln Ile Ser Pro Lys
340 345 350

Ser Trp Gly Val Ala Thr Ala Ser Leu Ile Pro Asn Asp Gln Leu Leu
355 360 365

Pro Arg Lys Leu Asn Thr Glu Pro Lys Asp Val Pro Ile Ala Cys Ala
370 375 380

Ser Ala Gly Phe Leu Pro Leu Gln Pro Pro Phe Arg Arg Ile His Val
385 390 395 400

Leu Arg Lys Glu Lys Leu Gln Asp Leu Met Thr Gln Ile Gln Gly Thr
405 410 415

Cys Asn Phe Met Gln Glu Ser Val Leu Asp Phe Asp Lys Pro Ser Ser
420 425 430

Ala Ile Pro Thr Ser Gln Pro Pro Ser Ala Thr Pro Gly Pro Arg Arg
435 440 445

His Leu Lys Glu Gln Asn Leu Ser Val Lys Val Ile Phe Phe Gln Gly
450 455 460

Ala Val Thr Val Phe Asn Val Asn Ala Pro Leu Pro Pro Arg Lys Glu
465 470 475 480

Gln Glu Ile Lys Glu Ser Pro Tyr Ser Pro Gly Tyr Asn Gln Ser Phe
485 490 495

Thr Thr Ala Ser Thr Gln Thr Pro Pro Gln Cys Gln Leu Pro Ser Ile
500 505 510

His Val Glu Gln Thr Val His Ser Gln Glu Thr Ala Asn Tyr His Pro
515 520 525

Asp Gly Thr Ile Gln Val Ser Asn Gly Ser Leu Ala Phe Tyr Pro Ala
530 535 540

Gln Thr Asn Val Phe Pro Arg Pro Thr Gln Pro Phe Val Asn Ser Arg
545 550 555 560

Gly Ser Val Arg Gly Cys Thr Arg Gly Gly Arg Leu Ile Thr Asn Ser
565 570 575

Tyr Arg Ser Pro Gly Gly Tyr Lys Gly Phe Asp Thr Tyr Arg Gly Leu
580 585 590

Pro Ser Ile Ser Asn Gly Asn Tyr Ser Gln Leu Gln Phe Gln Ala Arg
595 600 605

Glu Tyr Ser Gly Ala Pro Tyr Ser Gln Arg Asp Asn Phe Gln Gln Cys
610 615 620

Tyr Lys Arg Gly Gly Thr Ser Gly Gly Pro Arg Ala Asn Ser Arg Ala
625 630 635 640

Gly Trp Ser Asp Ser Ser Gln Val Ser Ser Pro Glu Arg Asp Asn Glu
645 650 655

Thr Phe Asn Ser Gly Asp Ser Gly Gln Gly Asp Ser Arg Ser Met Thr
660 665 670

Pro Val Asp Val Pro Val Thr Asn Pro Ala Ala Thr Ile Leu Pro Val
675 680 685

His Val Tyr Pro Leu Pro Gln Gln Met Arg Val Ala Phe Ser Ala Ala
690 695 700

Arg Thr Ser Asn Leu Ala Pro Gly Thr Leu Asp Gln Pro Ile Val Phe
705 710 715 720

Asp Leu Leu Leu Asn Asn Leu Gly Glu Thr Phe Asp Leu Gln Leu Gly
725 730 735

Arg Phe Asn Cys Pro Val Asn Gly Thr Tyr Val Phe Ile Phe His Met
740 745 750

Leu Lys Leu Ala Val Asn Val Pro Leu Tyr Val Asn Leu Met Lys Asn
755 760 765

Glu Glu Val Leu Val Ser Ala Tyr Ala Asn Asp Gly Ala Pro Asp His
770 775 780

Glu Thr Ala Ser Asn His Ala Ile Leu Gln Leu Phe Gln Gly Asp Gln
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Ile Trp Leu Arg Leu His Arg Gly Ala Ile Tyr Gly Ser Ser Trp
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<210> 24

<211> 185

<212> PRT

<213> Homo sapiens

<400> 24

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Pro Ser Gly His Gly Glu Pro Cys Arg His Arg Pro Pro Pro Phe Pro
35 40 45

Gln Pro Pro Ala Gly Thr Gln Lys Pro Leu Leu Gln Gly Pro Gly Gly
50 55 60

Gly Pro Ala Glu Asn Ala Pro Thr Ala Ala Leu Gly Ser Pro Ala Pro
65 70 75 80

Pro Arg Gly Cys Gln Ala Ala Pro Pro Pro Arg Ser Gly Ala Gly Arg
85 90 95

Pro Asp Leu Pro Thr Leu Ala Gly Pro Arg Pro Ala Pro Ala Pro Pro
100 105 110

Pro Ser Ala Ala Pro Pro Pro Pro Ser Gly Ala Pro Ser Arg Pro
115 120 125

Ala Ala Gly Arg Gln Arg Leu Ser Gly Val Ser Ser Gly Pro Ser Leu
130 135 140

Gly Trp Trp Val Gly Arg Gly Arg Gly Leu Pro Ala Phe Ala Gln Ile
145 150 155 160

Ala Gly His Gln Val Gly Pro Arg Arg Arg Arg Thr Pro Ala Gly Arg
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Lys Pro Arg Ser Pro Ala Gly Pro Arg
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<210> 25

T0E02T"66+50000T

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(475)

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cagggaaagcc tggtgccctt ggtcctcaag gccagcctgg cttccagga ccccccaggcc		180
ctccaggacc tccaggaccc ccagctgtga tgcccccata accaccaccc cagggagagt		240
atctgccaaa tatggggctg ggaattgatg gcgtgaaacc ccccatgcc tacggggcta		300
agaaaggcaa gaatggaggg ccagcctatg agatgcctgc atttaccgcc gagctaaccg		360
cacctttccc accggtgaaaa gccccagtga agtttaacaa actgctgtat aacggcagac		420
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<211> 3443

<212> DNA

<213> Homo sapiens

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gcagagcagc atctgctgaa gagacagaaa ccagccccag aggtgtcaca ggaaggcacc		180
agcaaggaca ttggtctttg atttggattca gcagtcctgt caagtataaa tgtgtatggct		240
gtgctgcctg gcccctcgca gctgctggaa gtgctgctta ccattccct gagttccatc		300

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ttggccaaag	atggccttgc	catggcaag	gagatcccc	acttgcagta	tggcaaagag	480
tatccacacc	taccccaata	tatgaaggaa	attcaaccgg	cgc当地	ggcaaggaa	540
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<211> 2487

<212> DNA

<213> Homo sapiens

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gcagagcagc atctgctgaa gagacagaaa ccagccccag aggtgtcaca ggaaggcacc 180
agcaaggaca ttggtctttg atttgattca gcagtccgt caagtataaa tgtg atg 237
Met
1
gct gtg ctg cct ggc cct ctg cag ctg gga gtg ctg ctt acc att 285
Ala Val Leu Pro Gly Pro Leu Gln Leu Leu Gly Val Leu Leu Thr Ile
5 10 15
tcc ctg agt tcc atc agg ctc att cag gct ggt gcc tac tat ggg atc 333
Ser Leu Ser Ser Ile Arg Leu Ile Gln Ala Gly Ala Tyr Tyr Gly Ile
20 25 30
aag ccg ctg cca cct caa att cct cct cag atg cca cca caa att cca 381
Lys Pro Leu Pro Pro Gln Ile Pro Pro Gln Met Pro Pro Gln Ile Pro
35 40 45
caa tac cag ccc ctg ggt cag caa gta cct cac atg cct ttg gcc aaa 429
Gln Tyr Gln Pro Leu Gly Gln Gln Val Pro His Met Pro Leu Ala Lys
50 55 60 65
gat ggc ctc gcc atg ggc aag gag atg ccc cac ttg cag tat ggc aaa 477
Asp Gly Leu Ala Met Gly Glu Met Pro His Leu Gln Tyr Gly Lys
70 75 80
gag tat cca cac cta ccc caa tat atg aag gaa att caa ccg gcg cca 525
Glu Tyr Pro His Leu Pro Gln Tyr Met Lys Glu Ile Gln Pro Ala Pro
85 90 95
aga atg ggc aag gaa gcc gtt ccc aag aaa ggc aaa gaa ata cca tta 573
Arg Met Gly Lys Glu Ala Val Pro Lys Lys Gly Lys Glu Ile Pro Leu
100 105 110
gcc agt tta cga ggg gaa caa ggt ccc cgt gga gag cct ggc cca aga 621
Ala Ser Leu Arg Gly Glu Gln Gly Pro Arg Gly Glu Pro Gly Pro Arg
115 120 125

PROTEIN SEQUENCE

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aaa gga aaa cca ggg cca cag gga tat cca gga gtt gga aag cca ggt Lys Gly Lys Pro Gly Pro Gln Gly Tyr Pro Gly Val Gly Lys Pro Gly 150 155 160	717
atg cct gga atg cca ggg aag cca gga gcc atg ggc atg cct ggg gca Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala 165 170 175	765
aaa gga gaa att gga cag aaa ggg gaa att ggg cct atg ggg atc cca Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile Gly Pro Met Gly Ile Pro 180 185 190	813
gga cca caa gga cct cca ggg cct cat gga ctt cct ggc att ggg aag Gly Pro Gln Gly Pro Pro Gly Pro His Gly Leu Pro Gly Ile Gly Lys 195 200 205	861
cca ggt ggg cca ggg tta cca ggg caa cca gga cca aag ggt gat cga Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg 210 215 220 225	909
gga ccc aaa gga cta cca gga cct caa ggc ctt cgg ggt cct aaa gga Gly Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys Gly 230 235 240	957
gac aag ggc ttc ggg atg cca ggt gcg cca ggt gta aag ggg cct cca Asp Lys Gly Phe Gly Met Pro Gly Ala Pro Gly Val Lys Gly Pro Pro 245 250 255	1005
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cca gga gtg aca ggc ttc cct ggg ccc cag ggc ccc ctg gga aag cca Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro 275 280 285	1101
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gtt caa gga cct cct ggg ata ccc gga att gga aag cca ggc cag gat Val Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Lys Pro Gly Gln Asp 310 315 320	1197
ggg atc cca ggc cag cca gga ttt cca ggt ggc aaa ggg gag caa gga Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly 325 330 335	1245
ctg cca ggg cta cca gga ccc cca ggc ctt cca ggg att ggg aaa cca Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro 340 345 350	1293
ggc ttc cca gga ccc aaa ggt gac cgg ggc atg gga ggt gtt cct ggg	1341

FOURTY EIGHT

Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly Met Gly Gly Val Pro Gly			
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gct ctt gga cca aga ggg gag aaa gga cca ata ggt gcc cca gga ata			1389
Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly Ile			
370	375	380	385
ggg ggt cct cca gga gag cca ggc ctg cct gga atc cca ggt cct atg			1437
Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met			
390	395	400	
ggc cct cca ggt gct att ggt ttt cct gga ccc aaa gga gaa ggt ggg			1485
Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly			
405	410	415	
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Ile Val Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly Leu			
420	425	430	
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Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro			
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Gln Lys Gly Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu Gly Pro			
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aag gga gaa cca gga atc cca ggg gat cag ggt tta cag ggc ccc cca			1725
Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro			
485	490	495	
ggt atc cca ggg att ggg ggc cct agt ggc ccc att gga cca cct ggg			1773
Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly			
500	505	510	
att cca ggc ccc aaa ggg gag cct ggc ctc cca ggg ccc cct ggg ttc			1821
Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe			
515	520	525	
cct ggt ata ggg aaa ccc gga gtg gca gga ctt cat ggc ccc cca ggg			1869
Pro Gly Ile Gly Lys Pro Gly Val Ala Gly Leu His Gly Pro Pro Gly			
530	535	540	545
aag cct ggt gcc ctt ggt cct caa ggc cag cct ggc ctt cca gga ccc			1917
Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro			
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Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr			
565	570	575	
cca cca ccc cag gga gag tat ctg cca gat atg ggg ctg gga att gat			2013
Pro Pro Pro Gln Gly Glu Tyr Leu Pro Asp Met Gly Leu Gly Ile Asp			

580	585	590	
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595	600	605	
ggg cca gcc tat gag atg cct gca ttt acc gcc gag cta acc gca cct Gly Pro Ala Tyr Glu Met Pro Ala Phe Thr Ala Glu Leu Thr Ala Pro			2109
610	615	620	625
ttc cca ccg gtg ggg gcc cca gtg aag ttt aac aaa ctg ctg tat aac Phe Pro Pro Val Gly Ala Pro Val Lys Phe Asn Lys Leu Leu Tyr Asn			2157
630	635	640	
ggc aga cag aac tac aac ccg cag aca ggc atc ttc acc tgt gag gtc Gly Arg Gln Asn Tyr Asn Pro Gln Thr Gly Ile Phe Thr Cys Glu Val			2205
645	650	655	
cct ggt gtc tac tac ttt gca tac cac gtt cac tgc aag ggg ggc aac Pro Gly Val Tyr Tyr Phe Ala Tyr His Val His Cys Lys Gly Gly Asn			2253
660	665	670	
gtg tgg gtt gct cta ttc aag aac aac gag ccc gtg atg tac acg tac Val Trp Val Ala Leu Phe Lys Asn Asn Glu Pro Val Met Tyr Thr Tyr			2301
675	680	685	
gac gag tac aaa aag ggc ttc ctg gac cag gca tct ggg agt gca gtg Asp Glu Tyr Lys Lys Gly Phe Leu Asp Gln Ala Ser Gly Ser Ala Val			2349
690	695	700	705
ctg ctg ctc agg ccc gga gac cgg gtg ttc ctc cag atg ccc tca gaa Leu Leu Leu Arg Pro Gly Asp Arg Val Phe Leu Gln Met Pro Ser Glu			2397
710	715	720	
cag gct gca gga ctg tat gcc ggg cag tat gtc cac tcc tcc ttt tca Gln Ala Ala Gly Leu Tyr Ala Gly Gln Tyr Val His Ser Ser Phe Ser			2445
725	730	735	
gga tat tta ttg tat ccc atg taa aaacaaaaaa aaaaaaaaaa Gly Tyr Leu Leu Tyr Pro Met			2487
740			

<210> 28

<211> 744

<212> PRT

<213> Homo sapiens

<400> 28

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Ile Lys Pro Leu Pro Pro Gln Ile Pro Pro Gln Met Pro Pro Gln Ile
35 40 45

Pro Gln Tyr Gln Pro Leu Gly Gln Gln Val Pro His Met Pro Leu Ala
50 55 60

Lys Asp Gly Leu Ala Met Gly Lys Glu Met Pro His Leu Gln Tyr Gly
65 70 75 80

Lys Glu Tyr Pro His Leu Pro Gln Tyr Met Lys Glu Ile Gln Pro Ala
85 90 95

Pro Arg Met Gly Lys Glu Ala Val Pro Lys Lys Gly Lys Glu Ile Pro
100 105 110

Leu Ala Ser Leu Arg Gly Glu Gln Gly Pro Arg Gly Glu Pro Gly Pro
115 120 125

Arg Gly Pro Pro Gly Pro Pro Gly Leu Pro Gly His Gly Ile Pro Gly
130 135 140

Ile Lys Gly Lys Pro Gly Pro Gln Gly Tyr Pro Gly Val Gly Lys Pro
145 150 155 160

Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly
165 170 175

Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile Gly Pro Met Gly Ile
180 185 190

Pro Gly Pro Gln Gly Pro Pro Gly Pro His Gly Leu Pro Gly Ile Gly
195 200 205

Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp
210 215 220

Arg Gly Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys
225 230 235 240

Gly Asp Lys Gly Phe Gly Met Pro Gly Ala Pro Gly Val Lys Gly Pro
245 250 255

Pro Gly Met His Gly Pro Pro Gly Pro Val Gly Leu Pro Gly Val Gly
260 265 270

Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys
275 280 285

Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro Ile Gly Val Pro
290 295 300

Gly Val Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Lys Pro Gly Gln
305 310 315 320

Asp Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln
325 330 335

Gly Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys
340 345 350

Pro Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly Met Gly Gly Val Pro
355 360 365

Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly
370 375 380

Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro
385 390 395 400

Met Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly
405 410 415

Gly Ile Val Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly
420 425 430

Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro
435 440 445

Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His
450 455 460

TOP SECRET

Gly Gln Lys Gly Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu Gly
465 470 475 480

Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro
485 490 495

Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro
500 505 510

Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly
515 520 525

Phe Pro Gly Ile Gly Lys Pro Gly Val Ala Gly Leu His Gly Pro Pro
530 535 540

Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly
545 550 555 560

Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro
565 570 575

Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro Asp Met Gly Leu Gly Ile
580 585 590

Asp Gly Val Lys Pro Pro His Ala Tyr Gly Ala Lys Lys Gly Lys Asn
595 600 605

Gly Gly Pro Ala Tyr Glu Met Pro Ala Phe Thr Ala Glu Leu Thr Ala
610 615 620

Pro Phe Pro Pro Val Gly Ala Pro Val Lys Phe Asn Lys Leu Leu Tyr
625 630 635 640

Asn Gly Arg Gln Asn Tyr Asn Pro Gln Thr Gly Ile Phe Thr Cys Glu
645 650 655

Val Pro Gly Val Tyr Tyr Phe Ala Tyr His Val His Cys Lys Gly Gly
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Asn Val Trp Val Ala Leu Phe Lys Asn Asn Glu Pro Val Met Tyr Thr
675 680 685

Tyr Asp Glu Tyr Lys Lys Gly Phe Leu Asp Gln Ala Ser Gly Ser Ala

690

695

700

Val Leu Leu Leu Arg Pro Gly Asp Arg Val Phe Leu Gln Met Pro Ser
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Glu Gln Ala Ala Gly Leu Tyr Ala Gly Gln Tyr Val His Ser Ser Phe
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Ser Gly Tyr Leu Leu Tyr Pro Met
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<212> DNA

<213> Homo sapiens

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<211> 27

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<213> Homo sapiens

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<210> 31

<211> 717

<212> PRT

<213> Homo sapiens

<400> 31

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His Met Pro Leu Ala Lys Asp Gly Leu Ala Met Gly Lys Glu Met Pro
35 40 45

His Leu Gln Tyr Gly Lys Glu Tyr Pro His Leu Pro Gln Tyr Met Lys
50 55 60

Glu Ile Gln Pro Ala Pro Arg Met Gly Lys Glu Ala Val Pro Lys Lys
65 70 75 80

Gly Lys Glu Ile Pro Leu Ala Ser Leu Arg Gly Glu Gln Gly Pro Arg
85 90 95

Gly Glu Pro Gly Pro Arg Gly Pro Pro Gly Pro Pro Gly Leu Pro Gly
100 105 110

His Gly Ile Pro Gly Ile Lys Gly Lys Pro Gly Pro Gln Gly Tyr Pro
115 120 125

Gly Val Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala
130 135 140

Met Gly Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile
145 150 155 160

Gly Pro Met Gly Ile Pro Gly Pro Gln Gly Pro Pro Gly Pro His Gly
165 170 175

Leu Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro
180 185 190

Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro Gly Pro Gln Gly
195 200 205

Leu Arg Gly Pro Lys Gly Asp Lys Gly Phe Gly Met Pro Gly Ala Pro
210 215 220

Gly Val Lys Gly Pro Pro Gly Met His Gly Pro Pro Gly Pro Val Gly
225 230 235 240

Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln
245 250 255

Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly
260 265 270

Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro Gly Ile Pro Gly Ile
275 280 285

Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly
290 295 300

Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu
305 310 315 320

Pro Gly Ile Gly Lys Pro Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly
325 330 335

Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro
340 345 350

Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro
355 360 365

Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly

370

375

380

Pro Lys Gly Glu Gly Gly Ile Val Gly Pro Gln Gly Pro Pro Gly Pro
385 390 395 400

Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu
405 410 415

Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly
420 425 430

Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly Val
435 440 445

Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln
450 455 460

Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly
465 470 475 480

Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu
485 490 495

Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly Lys Pro Gly Val Ala Gly
500 505 510

Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln
515 520 525

Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
530 535 540

Ala Val Met Pro Pro Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro Asp
545 550 555 560

Met Gly Leu Gly Ile Asp Gly Val Lys Pro Pro His Ala Tyr Gly Ala
565 570 575

Lys Lys Gly Lys Asn Gly Gly Pro Ala Tyr Glu Met Pro Ala Phe Thr
580 585 590

Ala Glu Leu Thr Ala Pro Phe Pro Pro Val Gly Ala Pro Val Lys Phe
595 600 605

Asn Lys Leu Leu Tyr Asn Gly Arg Gln Asn Tyr Asn Pro Gln Thr Gly
610 615 620

Ile Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr Phe Ala Tyr His Val
625 630 635 640

His Cys Lys Gly Gly Asn Val Trp Val Ala Leu Phe Lys Asn Asn Glu
645 650 655

Pro Val Met Tyr Thr Tyr Asp Glu Tyr Lys Lys Gly Phe Leu Asp Gln
660 665 670

Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro Gly Asp Arg Val Phe
675 680 685

Leu Gln Met Pro Ser Glu Gln Ala Ala Gly Leu Tyr Ala Gly Gln Tyr
690 695 700

Val His Ser Ser Phe Ser Gly Tyr Leu Leu Tyr Pro Met
705 710 715

<210> 32

<211> 36

<212> PRT

<213> Homo sapiens

<400> 32

Pro Val Lys Phe Asn Lys Leu Leu Tyr Asn Gly Arg Gln Asn Tyr Asn
1 5 10 15

Pro Gln Thr Gly Ile Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr Phe
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Ala Tyr His Val
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<210> 33

<211> 20

<212> PRT

<213> Homo sapiens

<400> 33

Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr Phe Ala Tyr His Val His
1 5 10 15

Cys Lys Gly Gly
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<210> 34

<211> 27

<212> PRT

<213> Homo sapiens

<400> 34

Phe Pro Pro Val Gly Ala Pro Val Lys Phe Asn Lys Leu Leu Tyr Asn
1 5 10 15

Gly Arg Gln Asn Tyr Asn Pro Gln Thr Gly Ile
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<210> 35

<211> 22

<212> PRT

<213> Homo sapiens

<400> 35

Asp Gln Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro Gly Asp Arg
1 5 10 15

Val Phe Leu Gln Met Pro
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<210> 36

<211> 20

<212> PRT

<213> Homo sapiens

<400> 36

Asp Gln Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro Gly Asp Arg
1 5 10 15

Val Phe Leu Gln
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<210> 37

<211> 27

<212> PRT

<213> Homo sapiens

<400> 37

Pro Gly Pro His Gly Leu Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly
1 5 10 15

Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg
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<210> 38

<211> 29

<212> PRT

<213> Homo sapiens

<400> 38

Gly Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly
1 5 10 15

Ile Val Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu

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25

<210> 39

<211> 27

<212> PRT

<213> Homo sapiens

<400> 39

Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly
1 5 10 15

Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro
20 25

<210> 40

<211> 27

<212> PRT

<213> Homo sapiens

<400> 40

Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly
1 5 10 15

Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys
20 25

<210> 41

<211> 27

<212> PRT

<213> Homo sapiens

<400> 41

Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro Gly
1 5 10 15

Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro
20 25

<210> 42

<211> 27

<212> PRT

<213> Homo sapiens

<400> 42

Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly
1 5 10 15

Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys
20 25

<210> 43

<211> 11

<212> PRT

<213> Homo sapiens

<400> 43

Val His Ser Ser Phe Ser Gly Tyr Leu Leu Tyr
1 5 10

<210> 44

<211> 27

<212> PRT

<213> Homo sapiens

<400> 44

Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly
1 5 10 15

Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu Arg
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<210> 45

<211> 29

<212> PRT

<213> Homo sapiens

<400> 45

Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly
1 5 10 15

Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu
20 25

<210> 46

<211> 27

<212> PRT

<213> Homo sapiens

<400> 46

Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly
1 5 10 15

Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu Pro
20 25

<210> 47

<211> 27

<212> PRT

<213> Homo sapiens

<400> 47

Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly
1 5 10 15

Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile
20 25

<210> 48

<211> 27

<212> PRT

<213> Homo sapiens

<400> 48

Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly
1 5 10 15

Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro
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<210> 49

<211> 29

<212> PRT

<213> Homo sapiens

<400> 49

Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly
1 5 10 15

Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu
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<210> 50

<211> 27

<212> PRT

<213> Homo sapiens

<400> 50

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Pro Pro Gly Phe Pro Gly Ile Gly Lys Pro Gly
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<210> 51

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<212> PRT

<213> Homo sapiens

<400> 51

Gly Met Pro Gly Ala Pro Gly Val Lys Gly Pro Pro Gly Met His Gly
1 5 10 15

Pro Pro Gly Pro Val Gly Leu Pro Gly Val Gly
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Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly
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Glu Pro Gly Pro Gln Gly Pro Ile Gly Val Pro
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<210> 53

<211> 27

<212> PRT

TOEPLITZ

<213> Homo sapiens

<400> 53

Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly
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Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
20 25

<210> 54

<211> 27

<212> PRT

<213> Homo sapiens

<400> 54

Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly
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Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe Pro
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<211> 27

<212> PRT

<213> Homo sapiens

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Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile Gly
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Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile Val
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<210> 56

<211> 27

TOEOTANEGHONOT

<212> PRT

<213> Homo sapiens

<400> 56

Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
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<211> 29

<212> PRT

<213> Homo sapiens

<400> 57

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1 5 10 15

Pro Pro Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu
20 25

<210> 58

<211> 29

<212> PRT

<213> Homo sapiens

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Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly
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Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu
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<211> 27

<212> PRT

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Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly
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Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro
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<210> 60

<211> 27

<212> PRT

<213> Homo sapiens

<400> 60

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1 5 10 15

Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro
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<210> 61

<211> 27

<212> PRT

<213> Homo sapiens

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Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly
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Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro

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25

<210> 62

<211> 10

<212> PRT

<213> Homo sapiens

<400> 62

Ser Ser Phe Ser Gly Tyr Leu Leu Tyr Pro
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<210> 63

<211> 27

<212> PRT

<213> Homo sapiens

<400> 63

Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly
1 5 10 15

Asp Arg Gly Pro Lys Gly Leu Pro Gly Pro Gln
20 25

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<211> 29

<212> PRT

<213> Homo sapiens

<400> 64

Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly
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Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile
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Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu
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Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val
20 25

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<211> 27
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<213> Homo sapiens

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Pro Gly Pro Gln Gly Tyr Pro Gly Val Gly Lys Pro Gly Met Pro Gly
1 5 10 15

Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro
20 25

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<212> PRT

<213> Homo sapiens

<400> 68

Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly
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Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro
20 25

<210> 69

<211> 27

<212> PRT

<213> Homo sapiens

<400> 69

Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly Ile Gly Gly
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Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro
20 25

<210> 70

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<212> PRT

<213> Homo sapiens

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Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln
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<211> 27

<212> PRT

<213> Homo sapiens

<400> 71

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Pro Pro Gly Ile Pro Gly Ile Gly Lys Pro Gly
20 25

<210> 72

<211> 27

<212> PRT

<213> Homo sapiens

<400> 72

Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly
1 5 10 15

Pro Met Gly Pro Pro Gly Ala Ile Gly Phe Pro
20 25

<210> 73

<211> 27

<212> PRT

<213> Homo sapiens

~~TOP SECRET~~ <400> 73

Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro Ile Gly
1 5 10 15

Val Pro Gly Val Gln Gly Pro Pro Gly Ile Pro
20 25

<210> 74

<211> 27

<212> PRT

<213> Homo sapiens

~~TOP SECRET~~ <400> 74

Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly
1 5 10 15

Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys
20 25

<210> 75

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<213> Homo sapiens

~~TOP SECRET~~ <400> 75

Gly Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly
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Glu Pro Gly Ile Pro Gly Asp Gln Gly Leu Gln
20 25

<210> 76

<211> 27

<212> PRT

<213> Homo sapiens

<400> 76

Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Pro Gly Met Arg Gly
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Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His
20 25

<210> 77

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<212> PRT

<213> Homo sapiens

<400> 77

Gly Phe Pro Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly
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Val Pro Gly Leu Pro Gly Val Pro Gly Leu Leu
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<213> Homo sapiens

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<213> Homo sapiens

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Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu
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<213> Homo sapiens

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<210> 81

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<212> PRT

<213> Homo sapiens

<400> 81

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|
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<213> Homo sapiens

<400> 82
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Glu Gly Gly Ile Val Gly Pro Gln Gly Pro Pro
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<210> 83
<211> 29
<212> PRT
<213> Homo sapiens

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Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala
20 25

<210> 84
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<400> 84
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Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro

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<210> 85

<211> 27

<212> PRT

<213> Homo sapiens

<400> 85

Pro Gly Val Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly
1 5 10 15

Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile
20 25

<210> 86

<211> 27

<212> PRT

<213> Homo sapiens

<400> 86

Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly
1 5 10 15

Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile
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<210> 87

<211> 27

<212> PRT

<213> Homo sapiens

<400> 87

Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly
1 5 10 15

Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro
20 25

<210> 88

<211> 27

<212> PRT

<213> Homo sapiens

<400> 88

Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Ala Val Met Pro Pro Thr Pro Pro Pro
20 25

<210> 89

<211> 27

<212> PRT

<213> Homo sapiens

<400> 89

Gly Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly
1 5 10 15

Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro
20 25

<210> 90

<211> 27

<212> PRT

<213> Homo sapiens

<400> 90

Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln Gly
1 5 10 15

Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly
20 25

<210> 91

<211> 27

<212> PRT

<213> Homo sapiens

<400> 91

Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro Gly
20 25

<210> 92

<211> 27

<212> PRT

<213> Homo sapiens

<400> 92

Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly
1 5 10 15

Met Arg Gly Phe Pro Gly Pro Ile Gly Pro Lys
20 25

<210> 93

<211> 27

<212> PRT

<213> Homo sapiens

PROTEIN=SECRETION

<400> 93

Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr
20 25

<210> 94

<211> 29

<212> PRT

<213> Homo sapiens

<400> 94

Gly Ile Pro Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly
1 5 10 15

Leu Pro Gly Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile
20 25

<210> 95

<211> 27

<212> PRT

<213> Homo sapiens

<400> 95

Pro Gly Ile Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln Pro Gly
1 5 10 15

Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro
20 25

<210> 96

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<211> 27

<212> PRT

<213> Homo sapiens

<400> 96

Gly Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly
 1 5 10 15

<210> 97

<211> 29

<212> PRT

<213> Homo sapiens

<400> 97

Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly Glu
20 25

<210> 98

<211> 27

<212> PRT

<213> Homo sapiens

<400> 98

Pro Lys Gly Glu Pro Gly Ile Pro Gly Asp Gln
 | 20 · 25

<210> 99

<211> 27

<212> PRT

<213> Homo sapiens

<400> 99

Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly
1 5 10 15

Phe Pro Gly Ile Gly Lys Pro Gly Val Ala Gly
20 25

<210> 100

<211> 29

<212> PRT

<213> Homo sapiens

<400> 100

Gly Met Pro Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly
1 5 10 15

Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile Gly Pro
20 25

<210> 101

<211> 27

<212> PRT

<213> Homo sapiens

<400> 101

Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met
20 25

TOECDAT"EGHSGDQDDE

<210> 102

<211> 27

<212> PRT

<213> Homo sapiens

<400> 102

Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly
1 5 10 15

Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro
20 25

<210> 103

<211> 27

<212> PRT

<213> Homo sapiens

<400> 103

Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro Gly Phe Pro Gly
1 5 10 15

Pro Lys Gly Asp Arg Gly Met Gly Gly Val Pro
20 25

<210> 104

<211> 29

<212> PRT

<213> Homo sapiens

<400> 104

Gly Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly
1 5 10 15

TOEPLITZ GEGEN

Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro
20 25

<210> 105

<211> 27

<212> PRT

<213> Homo sapiens

<400> 105

Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly
20 25

<210> 106

<211> 29

<212> PRT

<213> Homo sapiens

<400> 106

Gly Lys Pro Gly Phe Pro Gly Pro Lys Gly Asp Arg Gly Met Gly Gly
1 5 10 15

Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro
20 25

<210> 107

<211> 15

<212> PRT

<213> Homo sapiens

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<400> 107

Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr Pro Pro Pro

1 5 10 15

<210> 108

<211> 29

<212> PRT

<213> Homo sapiens

<400> 108

Pro Gly Val Gly Lys Pro Gly Met Pro Gly Met Pro Gly Lys Pro Gly
1 5 10 15

Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile Gly Gln
20 25

<210> 109

<211> 27

<212> PRT

<213> Homo sapiens

<400> 109

Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly
1 5 10 15

Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro
20 25

<210> 110

<211> 27

<212> PRT

<213> Homo sapiens

<400> 110

Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly
1 5 10 15

正言子

Pro Gln Gly Pro Ile Gly Val Pro Gly Val Gln
20 25

<210> 111

<211> 33

<212> PRT

<213> Homo sapiens

<400> 111

Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro
1 5 10 15

Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Pro Thr Pro Pro Pro Gln
20 25 30

Gly

<210> 112

<211> 27

<212> PRT

<213> Homo sapiens

<400> 112

Gly Met Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly
1 5 . 10 15

Glu Ile Gly Gln Lys Gly Glu Ile Gly Pro Met
20 25

<210> 113

<211> 27

<212> PRT

<213> Homo sapiens

TOP SECRET

<400> 113

Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly Pro Ile Gly
1 5 10 15

Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro
20 25

<210> 114

<211> 27

<212> PRT

<213> Homo sapiens

<400> 114

Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro Gly
1 5 10 15

Pro Gln Gly Leu Arg Gly Pro Lys Gly Asp Lys
20 25

<210> 115

<211> 27

<212> PRT

<213> Homo sapiens

<400> 115

Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly
20 25

<210> 116

<211> 27

TREC2T-HG4-HSG0000

<212> PRT

<213> Homo sapiens

<400> 116

Gly Lys Pro Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly
1 5 10 15

Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro
20 25

<210> 117

<211> 27

<212> PRT

<213> Homo sapiens

<400> 117

Gly Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly
1 5 10 15

Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly
20 25

<210> 118

<211> 27

<212> PRT

<213> Homo sapiens

<400> 118

Pro Gly Pro Val Gly Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly
1 5 10 15

Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro |
20 25

<210> 119

TIDEOTRANSFER

<211> 27

<212> PRT

<213> Homo sapiens

<400> 119

Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro Ile Gly Val Pro Gly
1 5 10 15

Val Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly
20 25

<210> 120

<211> 27

<212> PRT

<213> Homo sapiens

<400> 120

Pro Gly Val Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly
1 5 10 15

Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro
20 25

<210> 121

<211> 29

<212> PRT

<213> Homo sapiens

<400> 121

Gly Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly
1 5 10 | 15

Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly Ile
20 25

TIGE02T-E64150000T

<210> 122

<211> 27

<212> PRT

<213> Homo sapiens

<400> 122

Gly Glu Gly Gly Ile Val Gly Pro Gln Gly Pro Pro Gly Pro Lys Gly
1 5 10 15

Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro
20 25

<210> 123

<211> 29

<212> PRT

<213> Homo sapiens

<400> 123

Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly
1 5 10 15

Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu
20 25

<210> 124

<211> 24

<212> PRT

<213> Homo sapiens

<400> 124

Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

TROEDEZTEGGEGOCT

Pro Pro Ala Val Met Pro Pro Thr
20

<210> 125

<211> 27

<212> PRT

<213> Homo sapiens

<400> 125

Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly
1 5 10 15

Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro
20 25

<210> 126

<211> 27

<212> PRT

<213> Homo sapiens

<400> 126

Gly Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly
1 5 10 15

Ile Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro
20 25

<210> 127

<211> 29

<212> PRT

<213> Homo sapiens

|

<400> 127

Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly Phe Leu Gly
1 5 10 15

Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro
20 25

<210> 128

<211> 44

<212> PRT

<213> Homo sapiens

<400> 128

Pro Pro Gly Lys Pro Gly Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu
1 5 10 15

Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met
20 25 30

Pro Pro Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro
35 40

<210> 129

<211> 44

<212> PRT

<213> Homo sapiens

<400> 129

Met Pro Gly Ala Pro Gly Val Lys Gly Pro Pro Gly Met His Gly Pro
1 5 10 15

Pro Gly Pro Val Gly Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly
20 25 30

Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly
35 40

<210> 130

<211> 44

<212> PRT

<213> Homo sapiens

<400> 130

Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro
1 5 10 15

Gln Gly Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro Gly Ile Pro
20 25 30

Gly Ile Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly
35 40

<210> 131

<211> 29

<212> PRT

<213> Homo sapiens

<400> 131

Gly Pro Pro Gly Ile Pro Gly Ile Gly Gly Pro Ser Gly Pro Ile Gly
1 5 10 15

Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly Leu
20 25

<210> 132

<211> 18

<212> PRT

<213> Homo sapiens

<400> 132

Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr
1 5 10 15

TOP SECRET - GERMANY

Pro Pro,

<210> 133

<211> 27

<212> PRT

<213> Homo sapiens

<400> 133

Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly Pro Ile Gly
1 5 10 15

Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro
20 25

<210> 134

<211> 27

<212> PRT

<213> Homo sapiens

<400> 134

Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly Val Pro Gly
1 5 10 15

Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile Pro
20 25

<210> 135

<211> 15

<212> PRT

<213> Homo sapiens

<400> 135

Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
1 5 10 15

<210> 136

<211> 27

<212> PRT

<213> Homo sapiens

<400> 136

Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala
1 5 10 15

Val Met Pro Pro Thr Pro Pro Gln Gly Glu
20 25

<210> 137

<211> 27

<212> PRT

<213> Homo sapiens

<400> 137

Gly Pro Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro
1 5 10 15

Pro Thr Pro Pro Pro Gln Gly Glu Tyr Leu Pro
20 25

<210> 138

<211> 29

<212> PRT

<213> Homo sapiens

<400> 138

Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly
1 5 10 15

Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro
20 25

<210> 139

<211> 27

<212> PRT

<213> Homo sapiens

<400> 139

Gly Met Pro Gly Ala Lys Gly Glu Ile Gly Gln Lys Gly Glu Ile Gly
1 5 10 15

Pro Met Gly Ile Pro Gly Pro Gln Gly Pro Pro
20 25

<210> 140

<211> 35

<212> PRT

<213> Homo sapiens

<400> 140

Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly Leu Pro Gly Gln Pro Gly
1 5 10 15

Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu Pro Gly Pro Gln Gly Leu
20 25 30

Arg Gly Pro
35

|<210> 141

<211> 27

<212> PRT

TOEOT-SGHTSODOT

<213> Homo sapiens

<400> 141

Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly
1 5 10 15

Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln
20 25

<210> 142

<211> 29

<212> PRT

<213> Homo sapiens

<400> 142

Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro Gly Leu Pro Gly
1 5 10 15

Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly Ile
20 25

<210> 143

<211> 29

<212> PRT

<213> Homo sapiens

<400> 143

Gly Gln Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro
20 25

<210> 144

FILEID: 6641500007

<211> 27

<212> PRT

<213> Homo sapiens

<400> 144

Gly Ala Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile Val Gly
1 5 10 15

Pro Gln Gly Pro Pro Gly Pro Lys Gly Glu Pro
20 25

<210> 145

<211> 44

<212> PRT

<213> Homo sapiens

<400> 145

Pro Lys Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile
1 5 10 15

Gly Lys Pro Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly
20 25 30

Ala Leu Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly
35 40

<210> 146

<211> 29

<212> PRT

<213> Homo sapiens

<400> 146

Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu Pro Gly Leu Pro Gly
1 5 10 15

F D E D E 2 T E 6 6 4 5 8 0 0 0 T

Ile Pro Gly Pro Met Gly Pro Pro Gly Ala Ile Gly Phe
20 25

<210> 147

<211> 29

<212> PRT

<213> Homo sapiens

<400> 147

Gly Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly
1 5 10 15

Leu Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys Gly Asp
20 25

<210> 148

<211> 29

<212> PRT

<213> Homo sapiens

<400> 148

Gly Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg Gly Glu Lys Gly
1 5 10 15

Pro Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly Glu
20 25

<210> 149

<211> 29

<212> PRT

<213> Homo sapiens

<400> 149

FOE02T" E644500001

Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys Gly Glu Pro Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly Lys Pro
20 25

<210> 150

<211> 15

<212> PRT

<213> Homo sapiens

<400> 150

Pro Gly Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr Pro Pro
1 5 10 15

<210> 151

<211> 29

<212> PRT

<213> Homo sapiens

<400> 151

Gly Lys Pro Gly Val Thr Gly Phe Pro Gly Pro Gln Gly Pro Leu Gly
1 5 10 15

Lys Pro Gly Ala Pro Gly Glu Pro Gly Pro Gln Gly Pro
20 25

<210> 152

<211> 27

<212> PRT

<213> Homo sapiens

<400> 152

Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile Gly

1

5

10

15

Gln Lys Gly Glu Ile Gly Pro Met Gly Ile Pro
20 25

<210> 153

<211> 29

<212> PRT

<213> Homo sapiens

<400> 153

Gly Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe Pro Gly
1 5 10 15

Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val
20 25

<210> 154

<211> 27

<212> PRT

<213> Homo sapiens

<400> 154

Ser Leu Arg Gly Glu Gln Gly Pro Arg Gly Glu Pro Gly Pro Arg Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Leu Pro Gly His Gly
20 25

<210> 155

<211> 27

<212> PRT

<213> Homo sapiens

FOEBEST-1964-500001

<400> 155

Gly Pro Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly Lys Pro Gly
1 5 10 15

Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg
20 25

<210> 156

<211> 754

<212> PRT

<213> Homo sapiens

<400> 156

Phe Asp Ser Ala Val Leu Ser Ser Ile Asn Val Met Ala Val Leu Pro
1 5 10 15

Gly Pro Leu Gln Leu Leu Gly Val Leu Leu Thr Ile Ser Leu Ser Ser
20 25 30

Ile Arg Leu Ile Gln Ala Gly Ala Tyr Tyr Gly Ile Lys Pro Leu Pro
35 40 45

Pro Gln Ile Pro Pro Gln Met Pro Pro Gln Ile Pro Gln Tyr Gln Pro
50 55 60

Leu Gly Gln Gln Val Pro His Met Pro Leu Ala Lys Asp Gly Leu Ala
65 70 75 80

Met Gly Lys Glu Met Pro His Leu Gln Tyr Gly Lys Glu Tyr Pro His
85 90 95

Leu Pro Gln Tyr Met Lys Glu Ile Gln Pro Ala Pro Arg Met Gly Lys
100 105 110

Glu Ala Val Pro Lys Lys Gly Lys Glu Ile Pro Leu Ala Ser Leu Arg
115 120 125

Gly Glu Gln Gly Pro Arg Gly Glu Pro Gly Pro Arg Gly Pro Pro Gly
130 135 140

FOEDEP-567450000T

Pro Pro Gly Leu Pro Gly His Gly Ile Pro Gly Ile Lys Gly Lys Pro
145 150 155 160

Gly Pro Gln Gly Tyr Pro Gly Val Gly Lys Pro Gly Met Pro Gly Met
165 170 175

Pro Gly Lys Pro Gly Ala Met Gly Met Pro Gly Ala Lys Gly Glu Ile
180 185 190

Gly Gln Lys Gly Glu Ile Gly Pro Met Gly Ile Pro Pro Gln Gly Pro
195 200 205

Pro Gly Pro His Gly Leu Pro Gly Ile Gly Lys Pro Gly Gly Pro Gly
210 215 220

Leu Pro Gly Gln Pro Gly Pro Lys Gly Asp Arg Gly Pro Lys Gly Leu
225 230 235 240

Pro Gly Pro Gln Gly Leu Arg Gly Pro Lys Gly Asp Lys Gly Phe Gly
245 250 255

Met Pro Gly Ala Pro Gly Val Lys Gly Pro Pro Gly Met His Gly Pro
260 265 270

Pro Gly Pro Val Gly Leu Pro Gly Val Gly Lys Pro Gly Val Thr Gly
275 280 285

Phe Pro Gly Pro Gln Gly Pro Leu Gly Lys Pro Gly Ala Pro Gly Glu
290 295 300

Pro Gly Pro Gln Gly Pro Ile Gly Val Pro Gly Val Gln Gly Pro Pro
305 310 315 320

Gly Ile Pro Gly Ile Gly Lys Pro Gly Gln Asp Gly Ile Pro Gly Gln
325 330 335

Pro Gly Phe Pro Gly Gly Lys Gly Glu Gln Gly Leu Pro Gly Leu Pro
340 345 350

Gly Pro Pro Gly Leu Pro Gly Ile Gly Lys Pro Gly Phe Pro Gly Pro
355 360 365

Lys Gly Asp Arg Gly Met Gly Gly Val Pro Gly Ala Leu Gly Pro Arg
370 375 380

Gly Glu Lys Gly Pro Ile Gly Ala Pro Gly Ile Gly Gly Pro Pro Gly
385 390 395 400

Glu Pro Gly Leu Pro Gly Ile Pro Gly Pro Met Gly Pro Pro Gly Ala
405 410 415

Ile Gly Phe Pro Gly Pro Lys Gly Glu Gly Gly Ile Val Gly Pro Gln
420 425 430

Gly Pro Pro Gly Pro Lys Gly Glu Pro Gly Leu Gln Gly Phe Pro Gly
435 440 445

Lys Pro Gly Phe Leu Gly Glu Val Gly Pro Pro Gly Met Arg Gly Phe
450 455 460

Pro Gly Pro Ile Gly Pro Lys Gly Glu His Gly Gln Lys Gly Val Pro
465 470 475 480

Gly Leu Pro Gly Val Pro Gly Leu Leu Gly Pro Lys Gly Glu Pro Gly
485 490 495

Ile Pro Gly Asp Gln Gly Leu Gln Gly Pro Pro Gly Ile Pro Gly Ile
500 505 510

Gly Gly Pro Ser Gly Pro Ile Gly Pro Pro Gly Ile Pro Gly Pro Lys
515 520 525

Gly Glu Pro Gly Leu Pro Gly Pro Pro Gly Phe Pro Gly Ile Gly Lys
530 535 540

Pro Gly Val Ala Gly Leu His Gly Pro Pro Gly Lys Pro Gly Ala Leu
545 550 555 560

Gly Pro Gln Gly Gln Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly
565 570 575

Pro Pro Gly Pro Pro Ala Val Met Pro Pro Thr Pro Pro Pro Gln Gly
580 585 590

Glu Tyr Leu Pro Asp Met Gly Leu Gly Ile Asp Gly Val Lys Pro Pro

595

600

605

His Ala Tyr Gly Ala Lys Lys Gly Lys Asn Gly Gly Pro Ala Tyr Glu
610 615 620

Met Pro Ala Phe Thr Ala Glu Leu Thr Ala Pro Phe Pro Pro Val Gly
625 630 635 640

Ala Pro Val Lys Phe Asn Lys Leu Leu Tyr Asn Gly Arg Gln Asn Tyr
645 650 655

Asn Pro Gln Thr Gly Ile Phe Thr Cys Glu Val Pro Gly Val Tyr Tyr
660 665 670

Phe Ala Tyr His Val His Cys Lys Gly Gly Asn Val Trp Val Ala Leu
675 680 685

Phe Lys Asn Asn Glu Pro Val Met Tyr Thr Tyr Asp Glu Tyr Lys Lys
690 695 700

Gly Phe Leu Asp Gln Ala Ser Gly Ser Ala Val Leu Leu Leu Arg Pro
705 710 715 720

Gly Asp Arg Val Phe Leu Gln Met Pro Ser Glu Gln Ala Ala Gly Leu
725 730 735

Tyr Ala Gly Gln Tyr Val His Ser Ser Phe Ser Gly Tyr Leu Leu Tyr
740 745 750

Pro Met

<210> 157

<211> 443

<212> DNA

<213> Homo sapiens

<220>

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T0E02E-T0E02E

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cgcacactag agttcaaaga ctccagctgt tggaaggctt tgtgagcaat gtttgagagg	240
taagactgga ccgcttaggtc ttgccgggtga gaaaggggac caaggaaaga ctggaaagaa	300
aggacccata tgaccatagg gagagaaagg agaagtaggt ccaattggtc ctctggacc	360
caagggagac agaggagaac aaggggaccc cgggctgcct ggggtttgc cgatgtggaa	420
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<211> 1397

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<213> Homo sapiens

<400> 158

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gagccaaaga tttttgtctt gctctatgtt acaagtttt ccattgtgc cagtggacaa	240
ccccggggta atcagttgaa aggagagaac tactccccca ggtatatctg cagcattcct	300
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actgcagggtt tgagaggtaa gactggaccg ctaggtctt ccgggtgagaa aggggaccaa	480
ggagagactg ggaagaaagg acccatagga ccagaggag agaaaggaga agtaggtcca	540
attggtcctc ctggacccaaa gggagacaga ggagaacaag gggaccggg gctgcctgga.	600
gtttgcagat gtggaaagcat cgtgctaaaa tccgcctttt ctgttggcat cacaaccagc	660

TOP 5000 SITE

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tacaaccctg ccacagggaa gttcatctgt gcttcccag ggatctatta cttttcttat 780
gatatcacat tggctaataa gcacatggca atcggactgg tacacaatgg gcaataccgg 840
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agatgaaaca cagaaaagtt gaaaccacaa caaatgaat tctattaaag aatagcccc 1260
gatataaatt ctcttcaaag caatgttcat aaatatttaa gcaaattaaa gacaatgtta 1320
acaaattttc tattaaatgc cctgagtgat aaaaccagtt ggcaataata ttgccttatt 1380
aaatcttcaa aaaataa 1397

<210> 159
<211> 1297
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (80)..(949)
<223>

<400> 159
cgcccgaaat tcccgggtcg aggacacgcgt tcgatttaga atcctgcagc accccaccat 60
ctaaagagcaa gagccaaag atg ttt gtc ttg ctc tat gtt aca agt ttt gcc 112
Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala
1 5 10
att tgt gcc agt gga caa ccc cgg ggt aat cag ttg aaa gga gag aac 160
Ile Cys Ala Ser Gly Gln Pro Arg Gly Asn Gln Leu Lys Gly Glu Asn
15 20 25

tac tcc ccc agg tat atc tgc agc att cct ggc ttg cct gga cct cca		208	
Tyr Ser Pro Arg Tyr Ile Cys Ser Ile Pro Gly Leu Pro Gly Pro Pro			
30	35	40	
ggg ccc cct gga gca aat ggt tcc cct ggg ccc cat ggt cgc atc ggc		256	
Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly			
45	50	55	
ctt cca gga aga gat ggt aga gac ggc agg aaa gga gag aaa ggt gaa		304	
Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu			
60	65	70	75
aag gga act gca ggt ttg aga ggt aag act gga ccg cta ggt ctt gcc		352	
Lys Gly Thr Ala Gly Leu Arg Gly Lys Thr Gly Pro Leu Gly Leu Ala			
80	85	90	
ggt gag aaa ggg gac caa gga gag act ggg aag aaa gga ccc ata gga		400	
Gly Glu Lys Gly Asp Gln Gly Glu Thr Gly Lys Lys Gly Pro Ile Gly			
95	100	105	
cca gag gga gag aaa gga gaa gta ggt cca att ggt cct cct gga cca		448	
Pro Glu Gly Glu Lys Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro			
110	115	120	
aag gga gac aga gga gaa caa ggg gac ccg ggg ctg cct gga gtt tgc		496	
Lys Gly Asp Arg Gly Glu Gln Gly Asp Pro Gly Leu Pro Gly Val Cys			
125	130	135	
aga tgt gga agc atc gtg ctc aaa tcc gcc ttt tct gtt ggc atc aca		544	
Arg Cys Gly Ser Ile Val Leu Lys Ser Ala Phe Ser Val Gly Ile Thr			
140	145	150	155
acc agc tac cca gaa gaa aga cta cct att ata ttt aac aag gtc ctc		592	
Thr Ser Tyr Pro Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu			
160	165	170	
ttc aac gag gga gag cac tac aac cct gcc aca ggg aag ttc atc tgt		640	
Phe Asn Glu Gly Glu His Tyr Asn Pro Ala Thr Gly Lys Phe Ile Cys			
175	180	185	
gct ttc cca ggg atc tat tac ttt tct tat gat atc aca ttg gct aat		688	
Ala Phe Pro Gly Ile Tyr Tyr Phe Ser Tyr Asp Ile Thr Leu Ala Asn			
190	195	200	
aag cat ctg gca atc gga ctg gta cac aat ggg caa tac cgg ata aag		736	
Lys His Leu Ala Ile Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys			
205	210	215	
acc ttc gac gcc aac aca gga aac cat gat gtg gct tcg ggg tcc aca		784	
Thr Phe Asp Ala Asn Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr			
220	225	230	235
gtc atc tat ctg cag cca gaa gat gaa gtc tgg ctg gag att ttc ttc		832	
Val Ile Tyr Leu Gln Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe			
240	245	250	

TOP SECRET

aca gac cag aat ggc ctc ttc tca gac cca ggt tgg gca gac agc tta 880
Thr Asp Gln Asn Gly Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu
255 260 265

ttc tcc ggg ttt ctc tta tac gtt gac aca gat tac cta gat tcc ata 928
Phe Ser Gly Phe Leu Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile
270 275 280

tca gaa gat gat gaa ttg tga tcaggaccaa gatccctgtg gtaaacactc 979
Ser Glu Asp Asp Glu Leu
285

tgattgaatc tggggttcca gaaggtggaa caagcagggaa tgggatccaa agagactccc 1039

actcagattc taaagcattt aaagacaatt ctagcagaat ttatcaaaac aagatgaaac 1099

acagaaaaagt tgaaaccaca acaaaatgaa ttcttattaaa gaatagcccc agatataaat 1159

tctcttggaaa gcaatgttca taaatattta agcaaattaa agacaatgtt aacaaatttt 1219

ctattaaatg ccctgagtga taaaaccagt tggcaataat attgccttat taaatcttca 1279

aaaaataaaaa aaaaaaaaaa 1297

<210> 160

<211> 289

<212> PRT

<213> Homo sapiens

<400> 160

Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala Ile Cys Ala Ser Gly
1 5 10 15

Gln Pro Arg Gly Asn Gln Leu Lys Gly Glu Asn Tyr Ser Pro Arg Tyr
20 25 30

Ile Cys Ser Ile Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala
35 40 45

Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp
50 55 60

Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr Ala Gly
65 70 75 80

Leu Arg Gly Lys Thr Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp
85 90 95

Gln Gly Glu Thr Gly Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys
100 105 110

Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro Lys Gly Asp Arg Gly
115 120 125

Glu Gln Gly Asp Pro Gly Leu Pro Gly Val Cys Arg Cys Gly Ser Ile
130 135 140

Val Leu Lys Ser Ala Phe Ser Val Gly Ile Thr Thr Ser Tyr Pro Glu
145 150 155 160

Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu Phe Asn Glu Gly Glu
165 170 175

His Tyr Asn Pro Ala Thr Gly Lys Phe Ile Cys Ala Phe Pro Gly Ile
180 185 190

Tyr Tyr Phe Ser Tyr Asp Ile Thr Leu Ala Asn Lys His Leu Ala Ile
195 200 205

Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys Thr Phe Asp Ala Asn
210 215 220

Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln
225 230 235 240

Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe Thr Asp Gln Asn Gly
245 250 255

Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu Phe Ser Gly Phe Leu
260 265 270

Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile Ser Glu Asp Asp Glu
275 280 285

Leu

THEORY5000

<211> 870

<212> DNA

<213> Homo sapiens

<400> 161
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aatcagttga aaggagagaa ctactcccc aggtatatct gcagcattcc tggcttcgcct 120
ggacacctcgag ggccccctgg agcaaatggt tcccctggc cccatggtcg catcgccctt 180
ccaggaagag atggtagaga cggcaggaaa ggagagaaag gtgaaaaggg aactgcaggt 240
ttgagaggta agactggacc gctaggtctt gccgggtgaga aaggggacca aggagagact 300
gggaagaaag gacccatagg accagaggaa gagaaaggag aagtaggtcc aattggcct 360
cctggaccaa agggagacag aggagaacaa ggggacccgg ggctgcctgg agtttgcaga 420
tgtgaaagca tcgtgctcaa atccgccttt tctgttggca tcacaaccag ctacccagaa 480
gaaagactac ctattatatt taacaaggc tccttcaacg agggagagca ctacaaccct 540
gccacaggaa agttcatctg tgcttccca gggatctatt actttctta tgatatcaca 600
ttggctaata agcatctggc aatcggactg gtacacaatg ggcaataccg gataaagacc 660
ttcgacgcca acacaggaaa ccatgatgtg gcttcggggt ccacagtcat ctatctgcag 720
ccagaagatg aagtctggct ggagatttc ttcacagacc agaatggcct cttctcagac 780
ccaggttggg cagacagctt attctccggg tttctcttat acgttgacac agattaccta 840
gattccatat cagaagatga tgaattgtga 870

<210> 162

<211> 16

<212> PRT

<213> Homo sapiens

<400> 162

Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala Ile Cys Ala Ser Gly
1 5 10 15

<210> 163

<211> 273

<212> PRT

<213> Homo sapiens

<400> 163

Gln Pro Arg Gly Asn Gln Leu Lys Gly Glu Asn Tyr Ser Pro Arg Tyr
1 5 10 15

Ile Cys Ser Ile Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala
20 25 30

Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp
35 40 45

Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr Ala Gly
50 55 60

Leu Arg Gly Lys Thr Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp
65 70 75 80

Gln Gly Glu Thr Gly Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys
85 90 95

Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro Lys Gly Asp Arg Gly
100 105 110

Glu Gln Gly Asp Pro Gly Leu Pro Gly Val Cys Arg Cys Gly Ser Ile
115 120 125

Val Leu Lys Ser Ala Phe Ser Val Gly Ile Thr Thr Ser Tyr Pro Glu
130 135 140

Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu Phe Asn Glu Gly Glu
145 150 155 160

His Tyr Asn Pro Ala Thr Gly Lys Phe Ile Cys Ala Phe Pro Gly Ile
165 170 175

Tyr Tyr Phe Ser Tyr Asp Ile Thr Leu Ala Asn Lys His Leu Ala Ile

TOP SECRET SOURCE

180

185

190

Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys Thr Phe Asp Ala Asn
195 200 205

Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln
210 215 220

Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe Thr Asp Gln Asn Gly
225 230 235 240

Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu Phe Ser Gly Phe Leu
245 250 255

Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile Ser Glu Asp Asp Glu
260 265 270

Leu

<210> 164

<211> 36

<212> PRT

<213> Homo sapiens

<400> 164

Pro Ile Ile Phe Asn Lys Val Leu Phe Asn Glu Gly Glu His Tyr Asn
1 5 10 15

Pro Ala Thr Gly Lys Phe Ile Cys Ala Phe Pro Gly Ile Tyr Tyr Phe
20 25 30

Ser Tyr Asp Ile
35

<210> 165

<211> 27

<212> PRT

TDBEDEZK 6649001001

<213> Homo sapiens

<400> 165

Tyr Pro Glu Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu Phe Asn
1 5 10 15

Glu Gly Glu His Tyr Asn Pro Ala Thr Gly Lys
20 25

<210> 166

<211> 20

<212> PRT

<213> Homo sapiens

<400> 166

Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln Pro Glu Asp Glu
1 5 10 15

Val Trp Leu Glu
20

<210> 167

<211> 22

<212> PRT

<213> Homo sapiens

<400> 167

Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln Pro Glu Asp Glu
1 5 10 15

Val Trp Leu Glu Ile Phe
20

<210> 168

<211> 20

PROTEIN SEQUENCES

<212> PRT

<213> Homo sapiens

<400> 168

Phe Ile Cys Ala Phe Pro Gly Ile Tyr Tyr Phe Ser Tyr Asp Ile Thr
1 5 10 15

Leu Ala Asn Lys
20

<210> 169

<211> 27

<212> PRT

<213> Homo sapiens

<400> 169

Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys
20 25

<210> 170

<211> 27

<212> PRT

<213> Homo sapiens

<400> 170

Ser Ile Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala Asn Gly
1 5 10 15

Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro
20 25

TOP SECRET//NOFORN

<210> 171

<211> 27

<212> PRT

<213> Homo sapiens

<400> 171

Gly Pro Pro Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly
1 5 10 15

Arg Ile Gly Leu Pro Gly Arg Asp Gly Arg Asp
20 25

<210> 172

<211> 29

<212> PRT

<213> Homo sapiens

<400> 172

Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu
20 25

<210> 173

<211> 29

<212> PRT

<213> Homo sapiens

<400> 173

Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp Gln Gly Glu Thr Gly
1 5 10 15

Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys Gly Glu

20

25

<210> 174

<211> 27

<212> PRT

<213> Homo sapiens

<400> 174

Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly
1 5 10 15

Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp
20 25

<210> 175

<211> 29

<212> PRT

<213> Homo sapiens

<400> 175

Gly Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys Gly Glu Val Gly
1 5 10 15

Pro Ile Gly Pro Pro Gly Pro Lys Gly Asp Arg Gly Glu
20 25

<210> 176

<211> 11

<212> PRT

<213> Homo sapiens

<400> 176

Ala Asp Ser Leu Phe Ser Gly Phe Leu Leu Tyr
1 5 10

TOP SECRET - GERMESIN

<210> 177

<211> 27

<212> PRT

<213> Homo sapiens

<400> 177

Gly Pro Pro Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys
20 25

<210> 178

<211> 29

<212> PRT

<213> Homo sapiens

<400> 178

Gly Ala Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu
20 25

<210> 179

<211> 27

<212> PRT

<213> Homo sapiens

<400> 179

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly
1 5 10 15

Glu Lys Gly Thr Ala Gly Leu Arg Gly Lys Thr
20 25

<210> 180

<211> 27

<212> PRT

<213> Homo sapiens

<400> 180

Gly Glu Lys Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro Lys Gly
1 5 10 15

Asp Arg Gly Glu Gln Gly Asp Pro Gly Leu Pro
20 25

<210> 181

<211> 29

<212> PRT

<213> Homo sapiens

<400> 181

Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr
20 25

<210> 182

<211> 305

<212> PRT

<213> Homo sapiens

<400> 182

Ser Ser Lys Thr Pro Ala Val Gly Arg Ser Cys Glu Gln Glu Pro Lys
1 5 10 15

Met Phe Val Leu Leu Tyr Val Thr Ser Phe Ala Ile Cys Ala Ser Gly
20 25 30

Gln Pro Arg Gly Asn Gln Leu Lys Gly Glu Asn Tyr Ser Pro Arg Tyr
35 40 45

Ile Cys Ser Ile Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala
50 55 60

Asn Gly Ser Pro Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp
65 70 75 80

Gly Arg Asp Gly Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr Ala Gly
85 90 95

Leu Arg Gly Lys Thr Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp
100 105 110

Gln Gly Glu Thr Gly Lys Lys Gly Pro Ile Gly Pro Glu Gly Glu Lys
115 120 125

Gly Glu Val Gly Pro Ile Gly Pro Pro Gly Pro Lys Gly Asp Arg Gly
130 135 140

Glu Gln Gly Asp Pro Gly Leu Pro Gly Val Cys Arg Cys Gly Ser Ile
145 150 155 160

Val Leu Lys Ser Ala Phe Ser Val Gly Ile Thr Thr Ser Tyr Pro Glu
165 170 175

Glu Arg Leu Pro Ile Ile Phe Asn Lys Val Leu Phe Asn Glu Gly Glu
180 185 190

His Tyr Asn Pro Ala Thr Gly Lys Phe Ile Cys Ala Phe Pro Gly Ile
195 200 205

Tyr Tyr Phe Ser Tyr Asp Ile Thr Leu Ala Asn Lys His Leu Ala Ile
210 215 220

Gly Leu Val His Asn Gly Gln Tyr Arg Ile Lys Thr Phe Asp Ala Asn

225 230 235 240

Thr Gly Asn His Asp Val Ala Ser Gly Ser Thr Val Ile Tyr Leu Gln
245 250 255

Pro Glu Asp Glu Val Trp Leu Glu Ile Phe Phe Thr Asp Gln Asn Gly
260 265 270

Leu Phe Ser Asp Pro Gly Trp Ala Asp Ser Leu Phe Ser Gly Phe Leu
275 280 285

Leu Tyr Val Asp Thr Asp Tyr Leu Asp Ser Ile Ser Glu Asp Asp Glu
290 295 300

Leu
305

<210> 183

<211> 414

<212> DNA

<213> Homo sapiens

<400> 183
aggaaggctg attttattta gcccgttctt ttttcttggt ttgcacagta tctgggtcca 60
gcctgcagcc ctagggtcca gttcagagtc tgtcatctga accatgagga tctgggtggtt 120
tctgcttgcc attgaaatct gcacagggaa cataaactca caggacacct gcaggcaagg 180
gcaccctggc atccctggga accccggtca caatggtctg cctggaagag atggacgaga 240
cgagacgaaag ggtgacaaag gcgatgcagg agaaccagga cgtcctggca gcccggggaa 300
ggatggacg agtggagaga agggagaacg aggagcagat ggaaaagttg aagcaaaagg 360
catcaaaggt gatcaaggct caagaggatc ccagaaaaca tggccccaaag gggc 414

<210> 184

<211> 792

<212> DNA

<213> Homo sapiens

F D E D C B A T

<400> 184
aggāaggctg attttattta gccgttctt ttttcttgggt ttgcacagta tctgggtcca 60
gcctgcagcc ctagggtcca gttcagagtc tgtcatctga accatgagga tctggtggtt 120
tctgcttgcctt attgaaatct gcacaggaa cataaactca caggacacct gcaggcaagg 180
gcaccctggc atcccctggga acccccggtca caatggtctg cctggaagag atggacgaga 240
cgagcgaag ggtgacaaaag gcgatgcagg agaaccagga cgtcctggca gcccggggaa 300
ggatgggacg agtggagaga agggagaacg aggagcagat ggaaaagtgg aagcaaaagg 360
catcaaaggt gatcaaggct caatgaggat ccccagaaaa acatggcccc aaggggcttg 420
cagggcccat gggagagaaaa ggcctccgag gagagactgg gcctcagggg cagaagggga 480
ataagggtga cgtgggtccc actggtcctg aggggc当地 gggcaacatt gggccttgg 540
gcccaactgg tttaccgggc cccatgggcc ctattggaaa gcctggtccc aaggggagaag 600
ctggaccac ggggccccag ggtgagccag gagtccgggg aataagaggc tggaaaggag 660
atcgaggaga gaaagggaaa atcggtgaga ctctagtcctt gccaaaaagt gcttcactg 720
tggggctcac ggtgctgagc aagtttcctt cttagatgt gccattaaa tttgataaga 780
tccacatcac tg 792

<210> 185

<211> 951

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (18)..(884)

<223>

<400> 185
agtctgtcat ctgaacc atg agg atc tgg tgg ctt ctg ctt gcc att gaa 50
Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu
1 5 10

atc tgc aca ggg aac ata aac tca cag gac acc tgc agg caa ggg cac 98
 Ile Cys Thr Gly Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His
 15 20 25

 cct ggc atc cct ggg aac ccc ggt cac aat ggt ctg cct gga aga gat 146
 Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp
 30 35 40

 gga cga gac gga gcg aag ggt gac aaa ggc gat gca gga gaa cca gga 194
 Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
 45 50 55

 cgt cct ggc agc ccg ggg aag gat ggg acg agt gga gag aag gga gaa 242
 Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
 60 65 70 75

 cga gga gca gat gga aaa gtt gaa gca aaa ggc atc aaa ggt gat caa 290
 Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln
 80 85 90

 ggc tca aga gga tcc cca gga aaa cat ggc ccc aag ggg ctt gca ggg 338
 Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly
 95 100 105

 ccc atg gga gag aag ggc ctc cga gga gag act ggg cct cag ggg cag 386
 Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln
 110 115 120

 aag ggg aat aag ggt gac gtg ggt ccc act ggt cct gag ggg cca agg 434
 Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg
 125 130 135

 ggc aac att ggg cct ttg ggc cca act ggt tta ccg ggc ccc atg ggc 482
 Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly
 140 145 150 155

 cct att gga aag cct ggt ccc aaa gga gaa gct gga ccc acg ggg ccc 530
 Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro
 160 165 170

 cag gat atg ccc att aaa ttt gat aag atc ctg tat aac gaa ttc aac 578
 Gln Asp Met Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn
 175 180 185

 cat tat gat aca gca gcg ggg aaa ttc acg tgc cac att gct ggg gtc 626
 His Tyr Asp Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val
 190 195 200

 tat tac ttc acc tac cac atc act gtt ttc tcc agg aat gtt cag gtg 674
 Tyr Tyr Phe Thr Tyr His Ile Thr Val Phe Ser Arg Asn Val Gln Val
 205 210 215

 tct ttg gtc aaa aat gga gta aaa ata ctg cac acc aaa gat gct tac 722
 Ser Leu Val Lys Asn Gly Val Lys Ile Leu His Thr Lys Asp Ala Tyr
 220 225 230 235

 atg agc tct gag gac cag gcc tct ggc ggc att gtc ctg cag ctg aag 770
 Tyr

Met Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys
240 245 250

ctc ggg gat gag gtg tgg ctg cag gtg aca gga gga gag agg ttc aat 818
Leu Gly Asp Glu Val Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn
255 260 265

ggc ttg ttt gct gat gag gac gat gac aca act ttc aca ggg ttc ctt 866
Gly Leu Phe Ala Asp Glu Asp Asp Thr Thr Phe Thr Gly Phe Leu
270 275 280

ctg ttc agc agc ccg tga cagaggagag tttaaaaatc cgccacacca 914
Leu Phe Ser Ser Pro
285

tccatcagaa tcagcttggg atgaacttat tcagatg 951

<210> 186

<211> 288

<212> PRT

<213> Homo sapiens

<400> 186

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn
1 5 10 15

Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly
20 25 30

Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala
35 40 45

Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
50 55 60

Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly
65 70 75 80

Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser
85 90 95

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
100 105 110

TOP SECRET

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
115 120 125

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
130 135 140

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
145 150 155 160

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Asp Met Pro Ile
165 170 175

Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala
180 185 190

Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr
195 200 205

His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn
210 215 220

Gly Val Lys Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp
225 230 235 240

Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val
245 250 255

Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp
260 265 270

Glu Asp Asp Asp Thr Thr Phe Leu Leu Phe Ser Ser Pro
275 280 285

<210> 187

<211> 867

<212> DNA

<213> Homo sapiens

<400> 187

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60

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 ggaagagatg gacgagacgg agcgaagggt gacaaaggcg atgcaggaga accaggacgt 180
 cctggcagcc cggggaagga tggacgagt ggagagaagg gagaacgagg agcagatgga 240
 aaagttgaag caaaaggcat caaagggtat caaggctcaa gaggatcccc aggaaaacat 300
 ggccccagg ggcttgcagg gccatggga gagaaggccc tccgaggaga gactgggcct 360
 cagggcaga agggaaataa gggtgacgtg ggtcccactg gtcctgaggg gccaaggggc 420
 aacattggc ctttggccca aactggttt ccggccccc tggccctat tggaaagcct 480
 ggtcccaaag gagaagctgg acccacgggg ccccaggata tgcccattaa atttgataag 540
 atcctgtata acgaattcaa ccattatgat acagcagcgg gaaaattcac gtgccacatt 600
 gctgggtct attacttcac ctaccacatc actgtttct ccaggaatgt tcaggtgtct 660
 ttggtcaaaa atggagtaaa aatactgcac accaaagatg cttacatgag ctctgaggac 720
 caggcctctg gcggcattgt cctgcagctg aagctcgggg atgaggtgtg gctgcaggtg 780
 acaggaggag agaggttcaa tggcttgtt gctgatgagg acgatgacac aactttcaca 840
 gggttcccttc tgttcagcag cccgtga 867

<210> 188

<211> 19

<212> PRT

<213> Homo sapiens

<400> 188

Met	Arg	Ile	Trp	Trp	Leu	Leu	Leu	Ala	Ile	Glu	Ile	Cys	Thr	Gly	Asn
1															
															15

Ile Asn Ser

<210> 189

<211> 269

<212> PRT

<213> Homo sapiens

<400> 189

Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly
1 5 10 15

His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp
20 25 30

Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp
35 40 45

Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly Lys Val Glu
50 55 60

Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys
65 70 75 80

His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg
85 90 95

Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly
100 105 110

Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro
115 120 125

Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys
130 135 140

Gly Glu Ala Gly Pro Thr Gly Pro Gln Asp Met Pro Ile Lys Phe Asp
145 150 155 160

Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
165 170 175

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
180 185 190

Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys
195 200 205

Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser
210 215 220

Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln
225 230 235 240

Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp
245 250 255

Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
260 265

<210> 190

<211> 36

<212> PRT

<213> Homo sapiens

<400> 190

Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp
1 5 10 15

Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe
20 25 30

Thr Tyr His Ile
35

<210> 191

<211> 22

<212> PRT

<213> Homo sapiens

<400> 191

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln Val Thr

T0E024654500001

20

<210> 192

<211> 20

<212> PRT

<213> Homo sapiens

<400> 192

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln
20

<210> 193

<211> 20

<212> PRT

<213> Homo sapiens

<400> 193

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
1 5 10 15

Val Phe Ser Arg
20

<210> 194

<211> 27

<212> PRT

<213> Homo sapiens

<400> 194

Thr Gly Pro Gln Asp Met Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn
1 5 10 15

T0E02T5675000T

Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
20 25

<210> 195

<211> 27

<212> PRT

<213> Homo sapiens

<400> 195

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
20 25

<210> 196

<211> 27

<212> PRT

<213> Homo sapiens

<400> 196

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

Glu Ala Gly Pro Thr Gly Pro Gln Asp Met Pro
20 25

<210> 197

<211> 29

<212> PRT

<213> Homo sapiens

<400> 197

TOECDAT=EGGNGOQDT
Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
20 25

<210> 198

<211> 29

<212> PRT

<213> Homo sapiens

<400> 198

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 199

<211> 29

<212> PRT

<213> Homo sapiens

<400> 199

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

<210> 200

<211> 27

<212> PRT

<213> Homo sapiens

PROTEIN SEQUENCE

<400> 200

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys
20 25

<210> 201

<211> 27

<212> PRT

<213> Homo sapiens

<400> 201

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly
1 5 10 15

Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
20 25

<210> 202

<211> 27

<212> PRT

<213> Homo sapiens

<400> 202

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 203

<211> 29

<212> PRT

<213> Homo sapiens

<400> 203

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 204

<211> 27

<212> PRT

<213> Homo sapiens

<400> 204

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 205

<211> 29

<212> PRT

<213> Homo sapiens

<400> 205

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
 1 5 10 15

<210> 206

<211> 29

<212> PRT

<213> Homo sapiens

<400> 206

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 207

<211> 29

<212> PRT

<213> Homo sapiens

<400> 207

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 208

<211> 11

<212> PRT

<213> Homo sapiens

<400> 208

Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe
1 5 10

<210> 209

<211> 10

<212> PRT

<213> Homo sapiens

<400> 209

Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
1 5 10

<210> 210

<211> 27

<212> PRT

<213> Homo sapiens

<400> 210

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 211

<211> 27

<212> PRT

<213> Homo sapiens

<400> 211

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly
1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys
20 25

<210> 212

<211> 27

TFEDEDT 6645000T

<212> PRT

<213> Homo sapiens

<400> 212

Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
20 25

<210> 213

<211> 29

<212> PRT

<213> Homo sapiens

<400> 213

Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly
1 5 10 15

Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
20 25

<210> 214

<211> 1176

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1176)

<223> n = A, T, G, or C |

<220>

<221> CDS

<222> (18)...(920)

<223>

<400> 214

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Met Arg Ile Trp Trp Leu Leu Ala Ile Glu
1 5 10

atc tgc aca ggg aac ata aac tca cag gac acc tgc agg caa ggg cac 98
Ile Cys Thr Gly Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His
15 20 25

cct ggc atc cct ggg aac ccc ggt cac aat ggt ctg cct gga aga gat 146
Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp
30 35 40

gga cga gac gga gcg aag ggt gac aaa ggc gat gca gga gaa cca gga 194
Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
45 50 55

cgt cct ggc agc ccc ggg aag gat ggg acg agt gga gag aag gga gaa 242
Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
60 65 70 75

cga gga gca gat gga aaa gtt gaa gca aaa ggc atc aaa ggt gat caa 290
Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln
80 85 90

ggc tca aga gga tcc cca gga aaa cat ggc ccc aag ggg ctt gca ggg 338
Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly
95 100 105

ccc atg gga gag aag ggc ctc cga gga gag act ggg cct cag ggg cag 386
Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln
110 115 120

aag ggg aat aag ggt gac gtg ggt ccc act ggt cct gag ggg cca agg 434
Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg
125 130 135

ggc aac att ggg cct ttg ggc cca act ggt tta ccg ggc ccc atg ggc 482
Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly
140 145 150 155

cct att gga aag cct ggt ccc aag gga gaa gct gga ccc acg ggg ccc 530
Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro
160 165 170

cag ggt gag cca gga gtc cgg gga ata aga ggc tgg aaa gga gat cga 578
Gln Gly Glu Pro Gly Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg
175 180 185

gga gag aaa ggg aaa atc ggt gag act cta gtc ttg cca aaa agt gct 626
 Gly Glu Lys Gly Lys Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala
 190 195 200

 ttc act gtg ggg ctc acg gtg ctg agc aag ttt cct tct tca gat gtg 674
 Phe Thr Val Gly Leu Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val
 205 210 215

 ccc att aaa ttt gat aag atc cac atc act gtt ttc tcc agg aat gtt 722
 Pro Ile Lys Phe Asp Lys Ile His Ile Thr Val Phe Ser Arg Asn Val
 220 225 230 235

 cag gtg tct ttg gtc aaa aac gga gta aaa ata ctg cac acc aga gat 770
 Gln Val Ser Leu Val Lys Asn Gly Val Lys Ile Leu His Thr Arg Asp
 240 245 250

 gct tac gtg agc tct gag gac cag gcc tct ggc agc att gtc ctg cag 818
 Ala Tyr Val Ser Ser Glu Asp Gln Ala Ser Gly Ser Ile Val Leu Gln
 255 260 265

 ctg aag ctc ggg gat gag atg tgg tgt gtg att cat cgt gtg gca aaa 866
 Leu Lys Leu Gly Asp Glu Met Trp Cys Val Ile His Arg Val Ala Lys
 270 275 280

 tgt ctc tcc atc tgt gat cct ttt aca gtg gcg tct tgt gtg cgc tct 914
 Cys Leu Ser Ile Cys Asp Pro Phe Thr Val Ala Ser Cys Val Arg Ser
 285 290 295

 cga tga gggcaaggtc acctctgctt tgaggggccg ggtttagtgg tctcctaccc 970
 Arg
 300

 agagtgtcgg gtccggaaac tgcttctgca tgagcccctt gctccacgtg aatctgaata 1030

 gttcgttctg gcagtggcgg tgaattcgtc ctgccaggac ccgccctctg catacactca 1090

 ggccgcaccccc tgctaaagcc ctttaacttc agcgctacaa gtccctgctt aanaagccta 1150

 tcccttngnc gntcacagggc cggtt 1176

<210> 215

<211> 300

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1176)

<223> n = A, T, G, or C

<400> 215

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn
1 5 10 15

Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly
20 25 30

Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala
35 40 45

Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
50 55 60

Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly
65 70 75 80

Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser
85 90 95

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
100 105 110

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
115 120 125

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
130 135 140

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
145 150 155 160

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
165 170 175

Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys
180 185 190

Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu
195 200 205

TREOZT-SGTHGDDOT

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp
 210 215 220

Lys Ile His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val
 225 230 235 240

Lys Asn Gly Val Lys Ile Leu His Thr Arg Asp Ala Tyr Val Ser Ser
 245 250 255

Glu Asp Gln Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp
 260 265 270

Glu Met Trp Cys Val Ile His Arg Val Ala Lys Cys Leu Ser Ile Cys
 275 280 285

Asp Pro Phe Thr Val Ala Ser Cys Val Arg Ser Arg
 290 295 300

<210> 216

<211> 903

<212> DNA

<213> Homo sapiens

<400> 216
 atgaggatct ggtggcttct gcttgccatt gaaatctgca cagggAACAT aaactcacAG 60
 gacacctgca ggcaaggGCA ccctggcATC cctggGAACC ccggTCACAA tggTCTGcCT 120
 ggaAGAGATG gacgAGACGG agcGAAGGGT gacAAAGGCG atgcAGGAGA accAGGACGT 180
 CCTGGCAGCC CGGGGAAGGA tggGACGAGT ggAGAGAAGG gagaACGAGG AGCAGATGGA 240
 aaAGTTGAAG caAAAGGCAT caAAAGGTGAT caAGGCTCAA gaggATCCCC aggAAAACAT 300
 ggccccAAgg ggCTTGcAGG gcccATGGGA gagaAGGGCC TCCGAGGAGA gactGGGcCT 360
 caggGGcAGA agggGAATAA gggtGACGTG ggtcccACTG gtccTGAAGGG gccaAGGGc 420
 AACATTGGGc CTTTGGGCC AACTGGTTA ccggGCCCCA tggGCCtAT tggAAAGCCT 480
 ggtcccAAGG gagaAGCTGG accCACGGGG ccccAGGGTG agccAGGAGT ccGGGGAAATA 540
 agaggGCTGGA aaggAGATCG aggAGAGAAA gggAAAATCG gtGAGACTCT agtctTGCCA 600
 aaaAGTGTCTT tcactGTGGG gctcacGGTG ctGAGCAAGT ttccTTCTTC agatGTGCCC 660

ataaaatttg ataagatcca catcaactgtt ttctccagga atgttcaggt gtcttggtc 720
aaaaacggag taaaaatact gcacaccaga gatgcttacg tgagctctga ggaccaggcc 780
tctggcagca ttgtcctgca gctgaagctc gggatgaga tgtggtgtgt gattcatcg 840
gtggcaaaat gtctctccat ctgtgatcct tttacagtgg cgtcttgcgt gcgctctcg 900
tga 903

<210> 217

<211> 281

<212> PRT

<213> Homo sapiens

<400> 217

Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly
1 5 10 15

His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp
20 25 30

Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp
35 40 45

Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly Lys Val Glu
50 55 60

Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys
65 70 75 80

His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg
85 90 95

Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly
100 105 110

Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro
115 120 125

Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys
130 135 140

Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly Val Arg Gly
145 150 155 160

Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu
165 170 175

Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu Thr Val Leu
180 185 190

Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp Lys Ile His
195 200 205

Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly
210 215 220

Val Lys Ile Leu His Thr Arg Asp Ala Tyr Val Ser Ser Glu Asp Gln
225 230 235 240

Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Met Trp
245 250 255

Cys Val Ile His Arg Val Ala Lys Cys Leu Ser Ile Cys Asp Pro Phe
260 265 270

Thr Val Ala Ser Cys Val Arg Ser Arg
275 280

<210> 218

<211> 27

<212> PRT

<213> Homo sapiens

<400> 218

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

|

Glu' Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro
20 25

<210> 219

<211> 27

<212> PRT

<213> Homo sapiens

<400> 219

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
20 25

<210> 220

<211> 29

<212> PRT

<213> Homo sapiens

<400> 220

Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
20 25

<210> 221

<211> 29

<212> PRT

<213> Homo sapiens

<400> 221

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 222

<211> 29

<212> PRT

<213> Homo sapiens

<400> 222

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

<210> 223

<211> 27

<212> PRT

<213> Homo sapiens

<400> 223

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys
20 25

<210> 224

<211> 27

<212> PRT

<213> Homo sapiens

<400> 224

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly

1

5

10

15

Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
20 25

<210> 225

<211> 27

<212> PRT

<213> Homo sapiens

<400> 225

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 226

<211> 29

<212> PRT

<213> Homo sapiens

<400> 226

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 227

<211> 27

<212> PRT

<213> Homo sapiens

TREC21500001

<400> 227

Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly
1 5 10 15

Glu Pro Gly Val Arg Gly Ile Arg Gly Trp Lys
20 25

<210> 228

<211> 27

<212> PRT

<213> Homo sapiens

<400> 228

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 229

<211> 29

<212> PRT

<213> Homo sapiens

<400> 229

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
20 25

<210> 230

<211> 29

<212> PRT

<213> Homo sapiens

<400> 230

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
1 5 10 15

Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu
20 25

<210> 231

<211> 20

<212> PRT

<213> Homo sapiens

<400> 231

Asp Gln Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Met Trp Cys Val
20

<210> 232

<211> 27

<212> PRT

<213> Homo sapiens

<400> 232

Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly
1 5 10 15

Pro Gln Gly Glu Pro Gly Val Arg Gly Ile Arg
20 25

<210> 233

<211> 22

三〇〇五四九九

<212> PRT

<213> Homo sapiens

<400> 233

Asp Gln Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Met Trp Cys Val Ile His
20

<210> 234

<211> 29

<212> PRT
<213> Homo sapiens

<400> 234

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 235

<211> 29

<212> PRT

<213> Homo sapiens

<400> 235

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 236

FOE022T_E6450001

<211> 27

<212> PRT

<213> Homo sapiens

<400> 236

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 237

<211> 27

<212> PRT

<213> Homo sapiens

<400> 237

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly
1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys
20 25

<210> 238

<211> 27

<212> PRT

<213> Homo sapiens

<400> 238

Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
20 25

TOECAST 6645000T

<210> 239

<211> 29

<212> PRT

<213> Homo sapiens

<400> 239

Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly
1 5 10 15

Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
20 25

<210> 240

<211> 1026

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (25)..(1026)

<223>

<400> 240

tca gttcagt ctgtcatctg aacc atg agg atc tgg tgg ctt ctg ctt gcc 51
Met Arg Ile Trp Trp Leu Leu Ala
1 5

att gaa atc tgc aca ggg aac ata aac tca cag gac acc tgc agg caa 99
Ile Glu Ile Cys Thr Gly Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln
10 15 20 25

ggg cac cct ggc atc cct ggg aac ccc ggt cac aat ggt ctg cct gga 147
Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
30 35 40

aga gat gga cga gac gga gcg aag ggt gac aaa ggc gat gca gga gaa 195
Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu

TOP SECRET

	45	50	55	
cca gga cgt cct ggc agc ccg ggg aag gat ggg acg agt gga gag aag Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys	60	65	70	243
gga gaa cga gga gca gat gga aaa gtt gaa gca aaa ggc atc aaa ggt Gly Glu Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly	75	80	85	291
gat caa ggc tca aga gga tcc cca gga aaa cat ggc ccc aag ggg ctt Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu	90	95	100	339
gca ggg ccc atg gga gag aag ggc ctc cga gga gag act ggg cct cag Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro Gln	110	115	120	387
ggg cag aag ggg aat aag ggt gac gtg ggt ccc act ggt cct gag ggg Gly Gln Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro Glu Gly	125	130	135	435
cca agg ggc aac att ggg cct ttg ggc cca act ggt tta ccg ggc ccc Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly Pro	140	145	150	483
atg ggc cct att gga aag cct ggt ccc aaa gga gaa gct gga ccc acg Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr	155	160	165	531
ggg ccc cag ggt gag cca gga gtc cag gga ata aga ggc tgg aaa gga Gly Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg Gly Trp Lys Gly	170	175	180	579
gat cga gga gag aaa ggg aaa atc ggt gag act cta gtc ttg cca aaa Asp Arg Gly Glu Lys Gly Ile Gly Glu Thr Leu Val Leu Pro Lys	190	195	200	627
agt gct ttc act gtg ggg ctc acg gtg ctg acg aag ttt cct tct tca Ser Ala Phe Thr Val Gly Leu Thr Val Leu Ser Lys Phe Pro Ser Ser	205	210	215	675
gat agg ccc att aaa ttt gat aag atc ctg tat aac gaa ttc aac cat Asp Arg Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His	220	225	230	723
tat gat aca gca gcg ggg aaa ttc acg tgc cac att gct ggg gtc tat Tyr Asp Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr	235	240	245	771
tac ttc acc tac cac atc act gtt ttc tcc aga aat gtt cag gtg tct Tyr Phe Thr Tyr His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser	250	255	260	819
ttg gtc aaa aat gga gta aata ctg cac acc aaa gat gct tac atg Leu Val Lys Asn Gly Val Lys Ile Leu His Thr Lys Asp Ala Tyr Met	270	275	280	867

agc tct gag gac cag gcc tct ggc ggc att gtc ctg cag ctg aag ctc 915
Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu
285 290 295

ggg gat gag gtg tgg ctg cag gtg aca gga gga gag agg ttc aat ggc 963
Gly Asp Glu Val Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly
300 305 310

ttg ttt gct gat gag gac gat gac aca act ttc aca ggg ttc ctt ctg 1011
Leu Phe Ala Asp Glu Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu
315 320 325

tcc agc agc ccg tga 1026
Phe Ser Ser Pro
330

<210> 241

<211> 333

<212> PRT

<213> Homo sapiens

<400> 241

Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn
1 5 10 15

Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly
20 25 30

Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala
35 40 45

Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
50 55 60

Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly
65 70 75 80

Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser
85 90 95

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
100 105 110

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
115 120 125

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
130 135 140

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
145 150 155 160

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
165 170 175

Val Gln Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys
180 185 190

Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu
195 200 205

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp
210 215 220

Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
225 230 235 240

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
245 250 255

Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys
260 265 270

Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser
275 280 285

Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln
290 295 300

Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp
305 310 315 320

Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
325 330

FOEDEATGCTTGGCGGTT
<210> 242
<211> 1002
<212> DNA
<213> Homo sapiens

<400> 242
atgaggatct ggtggcttct gctgccatt gaaatctgca cagggAACat aaactcacag 60
gacacctgca ggcaaggcga ccctggcata cctgggaacc ccggtcacaa tggctgcct 120
ggaagagatg gacgagacgg agcgaagggt gacaaaggcg atgcaggaga accaggacgt 180
cctggcagcc cggggaaagga tggacgagt ggagagaagg gagaacgagg agcagatgga 240
aaagttgaag caaaaggcat caaagggtat caaggctcaa gaggatcccc aggaaaacat 300
ggccccaagg ggcttgcagg gcccattggga gagaaggggc tccgaggaga gactggcct 360
cagggcaga agggaaataa gggtgacgtg ggtcccactg gtcctgaggg gccaaagggc 420
aacattggc ctggggccc aactggttt ccggggccca tggccctat tggaaagcct 480
ggtcccaaag gagaagctgg acccacgggg ccccaagggtg agccaggagt ccaggaaata 540
agaggctgga aaggagatcg aggagagaaa gggaaaatcg gtgagactct agtcttgc 600
aaaagtgc ttcaactgtggg gtcacggtg ctgagcaagt ttccttctc agataggccc 660
attaaatttgc ataagatcct gtataacgaa ttcaaccatt atgatacagc agcggggaaa 720
ttcacgtgcc acattgctgg ggtctattac ttccacccatc acatcactgt tttctccaga 780
aatgttcagg tgtcttttgtt caaaaatggta gaaaaatatac tgcacaccaa agatgcttac 840
atgagctctg aggaccaggc ctctggcggc attgtcctgc agctgaagct cggggatgag 900
gtgtggctgc aggtgacagg aggagagagg ttcaatggct tgtttgcga tgaggacgt 960
gacacaactt tcacagggtt cttctgttc agcagccgt ga 1002

<210> 243
<211> 314
<212> PRT
<213> Homo sapiens

<400> 243

Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly
1 5 10 15

His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp
20 25 30

Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp
35 40 45

Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly Lys Val Glu
50 55 60

Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys
65 70 75 80

His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg
85 90 95

Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly
100 105 110

Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro
115 120 125

Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys
130 135 140

Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly Val Gln Gly
145 150 155 160

Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu
165 170 175

Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu Thr Val Leu
180 185 190

Ser Lys Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp Lys Ile Leu
195 200 205

Tyr Asn Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys Phe Thr Cys
210 215 220

PROTEIN SEQUENCES

His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr Val Phe Ser
225 230 235 240

Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys Ile Leu His
245 250 255

Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile
260 265 270

Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln Val Thr Gly
275 280 285

Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp Asp Thr Thr
290 295 300

Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
305 310

<210> 244

<211> 36

<212> PRT

<213> Homo sapiens

<400> 244

Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn Glu Phe Asn His Tyr Asp
1 5 10 15

Thr Ala Ala Gly Lys Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe
20 25 30

Thr Tyr His Ile
35

<210> 245

<211> 22

<212> PRT

<213> Homo sapiens

T01E02T"15645000T

<400> 245

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln Val Thr
20

<210> 246

<211> 20

<212> PRT

<213> Homo sapiens

<400> 246

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln
20

<210> 247

<211> 20

<212> PRT

<213> Homo sapiens

<400> 247

Phe Thr Cys His Ile Ala Gly Val Tyr Tyr Phe Thr Tyr His Ile Thr
1 5 10 15

Val Phe Ser Arg
20

<210> 248

<211> 27

<212> PRT

TOEDELT-E64+5000T

<213> Homo sapiens

<400> 248

Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp Lys Ile Leu Tyr Asn
1 5 10 15

Glu Phe Asn His Tyr Asp Thr Ala Ala Gly Lys
20 25

<210> 249

<211> 27

<212> PRT

<213> Homo sapiens

<400> 249

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro
20 25

<210> 250

<211> 27

<212> PRT

<213> Homo sapiens

<400> 250

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
20 25

<210> 251

<211> 29

<212> PRT

<213> Homo sapiens

<400> 251

Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
20 . 25

<210> 252

<211> 29

<212> PRT

<213> Homo sapiens

<400> 252

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 253

<211> 29

<212> PRT

<213> Homo sapiens

<400> 253

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
 1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

T0E021"6645000T

<210> 254

<211> 27

<212> PRT

<213> Homo sapiens

<400> 254

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys
20 25

<210> 255

<211> 27

<212> PRT

<213> Homo sapiens

<400> 255

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly
1 5 10 15

Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
20 25

<210> 256

<211> 27

<212> PRT

<213> Homo sapiens

<400> 256

Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly
1 5 10 15

Glu Pro Gly Val Gln Gly Ile Arg Gly Trp Lys

TOP SECRET SOURCE

20

25

<210> 257

<211> 27

<212> PRT

<213> Homo sapiens

<400> 257

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 258

<211> 29

<212> PRT

<213> Homo sapiens

<400> 258

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 259

<211> 27

<212> PRT

<213> Homo sapiens

<400> 259

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 260

<211> 29

<212> PRT

<213> Homo sapiens

<400> 260

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
20 25

<210> 261

<211> 29

<212> PRT

<213> Homo sapiens

<400> 261

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
1 5 10 15

Val Gln Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu
20 25

<210> 262

<211> 29

<212> PRT

<213> Homo sapiens

<400> 262

66415000T
Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 263

<211> 29

<212> PRT

<213> Homo sapiens

<400> 263

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 264

<211> 11

<212> PRT

<213> Homo sapiens

<400> 264

Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe
1 5 10

<210> 265

<211> 27

<212> PRT

<213> Homo sapiens

<400> 265

TOEDEAT GENESEQUENCES
Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly
1 5 10 15

Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg
20 25

<210> 266

<211> 10

<212> PRT

<213> Homo sapiens

<400> 266

Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
1 5 10

<210> 267

<211> 27

<212> PRT

<213> Homo sapiens

<400> 267

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 268

<211> 27

<212> PRT

<213> Homo sapiens

<400> 268

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly

1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys
20 25

<210> 269

<211> 27

<212> PRT

<213> Homo sapiens

<400> 269

Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
20 25

<210> 270

<211> 29

<212> PRT

<213> Homo sapiens

<400> 270

Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly
1 5 10 15

Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
20 25

<210> 271

<211> 945

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (25) .. (945)

<223>

<400> 271 tcagttca gt ctgtcatctg aacc atg agg atc tgg tgg ctt ctg ctt gcc Met Arg Ile Trp Trp Leu Leu Leu Ala 1 5 att gaa atc tgc aca ggg aac ata aac tca cag gac acc tgc agg caa Ile Glu Ile Cys Thr Gly Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln 10 15 20 25 ggg cac cct ggc atc cct ggg aac ccc ggt cac aat ggt ctg cct gga Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly 30 35 40 aga gat gga cga gac gga gcg aag ggt gac aaa ggc gat gca gga gaa Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu 45 50 55 cca gga cgt cct ggc agc ccg ggg aag gat ggg acg agt gga gag aag Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys 60 65 70 gga gaa cga gga gca gat gga aaa gtt gaa gca aaa ggc atc aaa ggt Gly Glu Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly 75 80 85 gat caa ggc tca aga gga tcc cca gga aaa cat ggc ccc aag ggg ctt Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu 90 95 100 105 gca ggg ccc atg gga gag aag ggc ctc cga gga gag act ggg cct cag Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro Gln 110 115 120 ggg cag aag ggg aat aag ggt gac gtg ggt ccc act ggt cct gag ggg Gly Gln Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro Glu Gly 125 130 135 cca agg ggc aac att ggg cct ttg ggc cca act ggt tta ccg ggc ccc Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly Pro 140 145 150 atg ggc cct att gga aag cct ggt ccc aaa gga gaa gct gga ccc acg Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr 155 160 165 ggg ccc cag ggt gag cca gga gtc cag gga ata aga ggc tgg aaa gga Gly Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg Gly Trp Lys Gly	51 99 147 195 243 291 339 387 435 483 531 579
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YD02145645000T

	170	175	180	185	
gat cga gga gag aaa ggg aaa atc ggt gag act cta gtc ttg cca aaa Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu Thr Leu Val Leu Pro Lys	190	195	200		627
agt gct ttc act gtg ggg ctc acg gtg ctg agc aag ttt cct tct tca Ser Ala Phe Thr Val Gly Leu Thr Val Leu Ser Lys Phe Pro Ser Ser	205	210	215		675
gat agg ccc att aaa ttt gat aag atc cac atc act gtt ttc tcc aga Asp Arg Pro Ile Lys Phe Asp Lys Ile His Ile Thr Val Phe Ser Arg	220	225	230		723
aat gtt cag gtg tct ttg gtc aaa aat gga gta aaa ata ctg cac acc Asn Val Gln Val Ser Leu Val Lys Asn Gly Val Lys Ile Leu His Thr	235	240	245		771
aaa gat gct tac atg agc tct gag gac cag gcc tct ggc ggc att gtc Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln Ala Ser Gly Gly Ile Val	250	255	260	265	819
ctg cag ctg aag ctc ggg gat gag gtg tgg ctg cag gtg aca gga gga Leu Gln Leu Lys Leu Gly Asp Glu Val Trp Leu Gln Val Thr Gly Gly	270	275	280		867
gag agg ttc aat ggc ttg ttt gct gat gag gac gat gac aca act ttc Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu Asp Asp Asp Thr Thr Phe	285	290	295		915
aca ggg ttc ctt ctg ttc agc agc ccg tga Thr Gly Phe Leu Leu Phe Ser Ser Pro	300	305			945

<210> 272

<211> 306

<212> PRT

<213> Homo sapiens

<400> 272

Met Arg Ile Trp Trp Leu Leu Ala Ile Glu Ile Cys Thr Gly Asn				
1	5	10	15	

Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly				
20	25	30		

/				
Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala				
35	40	45		

TOP SECRET

Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
50 55 60

Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly
65 70 75 80

Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser
85 90 95

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
100 105 110

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
115 120 125

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
130 135 140

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
145 150 155 160

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
165 170 175

Val Gln Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys
180 185 190

Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu
195 200 205

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp
210 215 220

Lys Ile His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val
225 230 235 240

Lys Asn Gly Val Lys Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser
245 250 255

Glu Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp
260 265 270

Glu Val Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe
275 280 285

Ala Asp Glu Asp Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
290 295 300

Ser Pro
305

<210> 273

<211> 921

<212> DNA

<213> Homo sapiens

<400> 273
atgaggatct ggtggcttct gcttgccatt gaaatctgca cagggAACAT aaactcacag 60
gacacctgca ggcaagggca ccctggcatt cctgggaacc ccggtcacaa tggctgcct 120
ggaagagatg gacgagacgg agcgaagggt gacaaaggcg atgcaggaga accaggacgt 180
cctggcagcc cggggaaagga tgggacgagt ggagagaagg gagaacgagg agcagatgga 240
aaagttgaag caaaaggcat caaagggttat caaggctcaa gaggatcccc aggaaaaacat 300
ggccccaagg ggcttgcagg gcccatggga gagaagggcc tcggaggaga gactggcct 360
caggggcaga agggaaataa gggtgacgtg ggtcccactg gtcctgaggg gccaaggggc 420
aacattgggc ctggggccc aactggttt ccggggccca tggccctat tggaaagcct 480
ggtcccaaag gagaagctgg acccacgggg ccccagggtg agccaggagt ccaggaaata 540
agaggctgga aaggagatcg aggagagaaa gggaaaatcg gtgagactct agtcttgcca 600
aaaagtgttt tcactgtggg gtcacggtg ctgagcaagt ttcccttcttc agataggccc 660
attaaatttg ataagatcca catcaactgtt ttctccagaa atgttcaggt gtctttggtc 720
aaaaatggag taaaaatact gcacaccaaa gatgcttaca tgagctctga ggaccaggcc 780
tctggcggca ttgtcctgca gctgaagctc gggatgagg tgtggctgca ggtgacagga 840
ggagagaggt tcaatggctt gtttgcgtat gaggacgtg acacaacttt cacagggttc 900
cttctgttca gcagcccgta a 921

<210> 274

<211> 287

<212> PRT

<213> Homo sapiens

<400> 274

Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly
1 5 10 15

His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp
20 25 30

Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly Lys Asp
35 40 45

Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp Gly Lys Val Glu
50 55 60

Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys
65 70 75 80

His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg
85 90 95

Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly
100 105 110

Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro
115 120 125

Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys
130 135 140

Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly Val Gln Gly
145 150 155 160

Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu
165 170 175

Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu Thr Val Leu

FOEDEP 66740001

180

185

190

Ser Lys Phe Pro Ser Ser Asp Arg Pro Ile Lys Phe Asp Lys Ile His
195 200 205

Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val Lys Asn Gly
210 215 220

Val Lys Ile Leu His Thr Lys Asp Ala Tyr Met Ser Ser Glu Asp Gln
225 230 235 240

Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu Val Trp
245 250 255

Leu Gln Val Thr Gly Gly Glu Arg Phe Asn Gly Leu Phe Ala Asp Glu
260 265 270

Asp Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser Ser Pro
275 280 285

<210> 275

<211> 22

<212> PRT

<213> Homo sapiens

<400> 275

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln Val Thr
20

<210> 276

<211> 20

<212> PRT

<213> Homo sapiens

T0E021664500000

<400> 276

Asp Gln Ala Ser Gly Gly Ile Val Leu Gln Leu Lys Leu Gly Asp Glu
1 5 10 15

Val Trp Leu Gln
20

<210> 277

<211> 27

<212> PRT

<213> Homo sapiens

<400> 277

Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly
1 5 10 15

Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro
20 25

<210> 278

<211> 27

<212> PRT

<213> Homo sapiens

<400> 278

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala
20 25

<210> 279

<211> 29

|

<212> PRT

/

<213> Homo sapiens

<400> 279

Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu
20 25

<210> 280

<211> 29

<212> PRT

<213> Homo sapiens

<400> 280

Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly
1 5 10 15

Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu
20 25

<210> 281

<211> 29

<212> PRT

<213> Homo sapiens

<400> 281

Gly Asp Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly
1 5 10 15

Leu Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu
20 25

<210> 282

<211> 27

ACCESSION NUMBER

<212> PRT

<213> Homo sapiens

<400> 282

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys
20 25

<210> 283

<211> 27

<212> PRT

<213> Homo sapiens

<400> 283

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly
1 5 10 15

Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro
20 25

<210> 284

<211> 27

<212> PRT

<213> Homo sapiens

<400> 284

Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly
1 5 10 15

Glu Pro Gly Val Gln Gly Ile Arg Gly Trp Lys
20 25

<210> 285

<211> 27

<212> PRT

<213> Homo sapiens

<400> 285

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
1 5 10 15

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro
20 25

<210> 286

<211> 29

<212> PRT

<213> Homo sapiens

<400> 286

Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly
1 5 10 15

Arg Asp Gly Arg Asp Gly Ala Lys Gly Asp Lys Gly Asp
20 25

<210> 287

<211> 27

<212> PRT

<213> Homo sapiens

<400> 287

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg
20 25

<210> 288

<211> 29

<212> PRT

<213> Homo sapiens

<400> 288

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
20 25

<210> 289

<211> 29

<212> PRT

<213> Homo sapiens

<400> 289

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
1 5 10 15

Val Gln Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu
20 25

<210> 290

<211> 29

<212> PRT

<213> Homo sapiens

<400> 290

Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly/Ser Pro Gly
1 5 10 15

Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala
20 25

<210> 291

<211> 29

<212> PRT

<213> Homo sapiens

<400> 291

Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly
1 5 10 15

Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro
20 25

<210> 292

<211> 11

<212> PRT

<213> Homo sapiens

<400> 292

Asp Asp Thr Thr Phe Thr Gly Phe Leu Leu Phe
1 5 10

<210> 293

<211> 27

<212> PRT

<213> Homo sapiens

<400> 293

Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly
1 5 / 10 15

Pro Gln Gly Glu Pro Gly Val Gln Gly Ile Arg
20 25

<210> 294

<211> 10

<212> PRT

<213> Homo sapiens

<400> 294

Thr Thr Phe Thr Gly Phe Leu Leu Phe Ser
1 5 10

<210> 295

<211> 27

<212> PRT

<213> Homo sapiens

<400> 295

Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys
20 25

<210> 296

<211> 27

<212> PRT

<213> Homo sapiens

<400> 296

Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly
1 5 10 15

Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys

20

25

<210> 297

<211> 27

<212> PRT

<213> Homo sapiens

<400> 297

Cys Arg Gln Gly His Pro Gly Ile Pro Gly Asn Pro Gly His Asn Gly
1 5 10 15

Leu Pro Gly Arg Asp Gly Arg Asp Gly Ala Lys
20 25

<210> 298

<211> 29

<212> PRT

<213> Homo sapiens

<400> 298

Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu Pro Gly
1 5 10 15

Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
20 25

<210> 299

<211> 245

<212> PRT

<213> Homo sapiens

<400> 299

Ala Ser Phe Leu Leu Gln Met Cys Pro Gly Pro Val Gln Ser Leu Ser
1 5 10 15

Ser Glu Pro Gly Ser Gly Gly Phe Cys Leu Pro Leu Lys Ser Ala Gln
20 25 30

Gly Thr Thr Pro Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile Pro
35 40 45

Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly
50 55 60

Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg Pro Gly Ser
65 70 75 80

Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu Arg Gly Ala Asp
85 90 95

Gly Lys Val Glu Ala Lys Gly Ile Lys Gly Asp Gln Gly Ser Gly Ser
100 105 110

Pro Gly Lys His Gly Pro Lys Gly Leu Ala Gly Pro Met Gly Glu Lys
115 120 125

Gly Leu Arg Gly Glu Thr Gly Pro Gln Gly Gln Lys Gly Asn Lys Gly
130 135 140

Asp Val Gly Pro Thr Gly Pro Glu Gly Pro Arg Gly Asn Ile Gly Pro
145 150 155 160

Leu Gly Pro Thr Gly Leu Pro Gly Pro Met Gly Pro Ile Gly Lys Pro
165 170 175

Gly Pro Lys Gly Glu Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly
180 185 190

Val Arg Gly Ile Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys
195 200 205

Ile Gly Glu Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu
210 215 220

Thr Val Leu Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp
225 230 235 240

Lys Ile His Ile Thr
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<210> 300

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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gtgtactgtg atcttgctgc ttttatccat atgtcagctt tggttcttgt gagtttacct 120
gcttattatg atacttggag tccattcata gtgtgggaa gaatgatttt tgccctgcag 180
gagaaggctt aattgaaata atgctgcttg tccccaaaga aattgtttgc cttgtactct 240
tgttaacctt agagctagac ctggaaatga ttcaacttca agccttaacc tggaattttc 300
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<210> 301

<211> 1848

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

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		Met	Val	Trp	Gly	Arg	Arg	Lys	Ser	Gln	Asp	Cys	
	1				5					10			
gat cca acc atg atc acg gct ttc tgg att gga ctt cat ctt ctg gag													279
Asp Pro Thr Met Ile Thr Ala Phe Trp Ile Gly Leu His Leu Leu Glu													
	15			20						25			
ggt cca caa ggt cca gtg ctg gca gca aac ctc acc att ttg tcc tcc													327
Gly Pro Gln Gly Pro Val Leu Ala Ala Asn Leu Thr Ile Leu Ser Ser													
	30		35			40							
aaa agg aag gtg act ttt aag aag caa tcc aga aga ggt ccc cgc cca													375
Lys Arg Lys Val Thr Phe Lys Lys Gln Ser Arg Arg Gly Pro Arg Pro													
	45		50			55							
acc ttc aaa att ctg tcc aaa agc aga caa gag gat cgc ccc gcg ctg													423
Thr Phe Lys Ile Leu Ser Lys Ser Arg Gln Glu Asp Arg Pro Ala Leu													
	60		65			70					75		
agc cgg ctg gtg ggc agc agg cgc ctg atc gcc gcc ggg gcg ctg													471
Ser Arg Leu Val Gly Ser Arg Arg Arg Leu Ile Ala Ala Gly Ala Leu													
	80		85			90							
ggg gtg gtg atg gtg ctg ctg gtg atc ctc atc ccg gtg ctg atg													519
Gly Val Val Met Val Leu Leu Leu Val Ile Leu Ile Pro Val Leu Met.													
	95		100			105							
ctg ggc acc tgc cgc atg gtc tgc gac ccc tac ggg ggc acc aag gcg													567
Leu Gly Thr Cys Arg Met Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala													
	110		115			120							
ccc agc acc gct gcc acg ccc gac cgc ggc ctc atg cag tcc ctg ccc													615
Pro Ser Thr Ala Ala Thr Pro Asp Arg Gly Leu Met Gln Ser Leu Pro													
	125		130			135							
acc ttc atc cag ggc ccc aaa ggc gag gcc ggc agg ccc ggg aag gcg													663
Thr Phe Ile Gln Gly Pro Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala													
	140		145			150					155		
ggc ccc ccc ccc gga gag ccc ggg cca ccc ggc ccc atg ggg													711
Gly Pro Arg Gly Pro Pro Gly Glu' Pro Gly Pro Pro Gly Pro Met Gly													
	160		165			170							

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 Pro Pro Gly Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro
 175 180 185

 ccc ggg gcg ccc ggc ctg aac gcg gcc ggg gcc atc agc gcc gcc acc 807
 Pro Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr
 190 195 200

 tac agc acg ggg ccc aag atc gcc ttc tac gcc ggc ctc aag cgg cag 855
 Tyr Ser Thr Gly Pro Lys Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln
 205 210 215

 cat gaa ggc tac gag gtg ctc aag ttc gac gac gtg gtc acc aac ctc 903
 His Glu Gly Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu
 220 225 230 235

 gga aac cac tac gac ccc acc acc ggc aag ttc acc tgc tcc atc ccg 951
 Gly Asn His Tyr Asp Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro
 240 245 250

 ggc atc tac ttc acc tac cac gtc ctg atg cgc gga ggg gac ggc 999
 Gly Ile Tyr Phe Phe Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly
 255 260 265

 acc agc atg tgg gct gat ctc tgc aaa aac aac cag gtg cgt gct agt 1047
 Thr Ser Met Trp Ala Asp Leu Cys Lys Asn Asn Gln Val Arg Ala Ser
 270 275 280

 gca att gcc caa gat gct gat cag aat tac gac tat gcc agt aac agt 1095
 Ala Ile Ala Gln Asp Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser
 285 290 295

 gtg gtt ctt cat ttg gag ccg gga gat gaa gtc tat atc aaa tta gat 1143
 Val Val Leu His Leu Glu Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp
 300 305 310 315

 ggc ggg aaa gcc cat gga gga aac aac aac aaa tac agc acg ttt tct 1191
 Gly Gly Lys Ala His Gly Gly Asn Asn Asn Lys Tyr Ser Thr Phe Ser
 320 325 330

 gga ttt att att tat gct gac tga taatgcagaa actaagctta ttattctgag 1245
 Gly Phe Ile Ile Tyr Ala Asp
 335

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 accgccaaag caaatactcc ttatcgtag tgtccatgtg aatgaagtcc tatatagatc 1485

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ttgttaacct tagagctaga cctggaaatg attcaacttc aagcctaac ctggaatttt 1785
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aat 1848

<210> 302

<211> 338

<212> PRT

<213> Homo sapiens

<400> 302

Met Val Trp Gly Arg Arg Lys Ser Gln Asp Cys Asp Pro Thr Met Ile
1 5 10 15

Thr Ala Phe Trp Ile Gly Leu His Leu Leu Glu Gly Pro Gln Gly Pro
20 25 30

Val Leu Ala Ala Asn Leu Thr Ile Leu Ser Ser Lys Arg Lys Val Thr
35 40 45

Phe Lys Lys Gln Ser Arg Arg Gly Pro Arg Pro Thr Phe Lys Ile Leu
50 55 60

Ser Lys Ser Arg Gln Glu Asp Arg Pro Ala Leu Ser Arg Leu Val Gly
65 70 75 80

Ser Arg Arg Arg Leu Ile Ala Ala Gly Ala Leu Gly Val Val Met Val
85 90 95

Leu Leu Leu Val Ile Leu Ile Pro Val Leu Met Leu Gly Thr Cys Arg
100 105 110

Met Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr Ala Ala
115 120 125

Thr Pro Asp Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile Gln Gly
130 135 140

Pro Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro
145 150 155 160

Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys
165 170 175

Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly
180 185 190

Leu Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr Tyr Ser Thr Gly Pro
195 200 205

Lys Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln His Glu Gly Tyr Glu
210 215 220

Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp
225 230 235 240

Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe
245 250 255

Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala
260 265 270

Asp Leu Cys Lys Asn Asn Gln Val Arg Ala Ser Ala Ile Ala Gln Asp
275 280 285

Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu
290 295 300

Glu Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp Gly Gly Lys Ala His
305 310 315 320

Gly Gly Asn Asn Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr
325 330 335

Ala Asp

<210> 303

<211> 1017

TOP SECRET 64150000

<212> DNA

<213> Homo sapiens

<400> 303
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ttgtcctcca aaaggaaggt gacttttaag aagcaatcca gaagaggtcc ccgcccaacc 180
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atccotcatcc cggtgctgat gctgggcacc tgccgcatttgc tctgcgaccc ctacggggc 360
accaaggcgc ccagcacccgc tgccacgccc gaccgcccccc tcattgcagtc cctgcccacc 420
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cccgagagc ccggggccacc cggcccatg gggcccccgg gcgagaaggg cgagccggc 540
cgccaaaggcc tgccggggccc gccccggcg cccggccttgc acgcggccgg ggccatcagc 600
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gaaggctacg aggtgctcaa gttcgacgcgt gtggtcacca acctcgaaaa ccactacgc 720
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gttcttcatt tggagccggg agatgaagtc tatataat tagatggcgg gaaagcccat 960
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<210> 304

<211> 36

<212> PRT

<213> Homo sapiens

<400> 304

Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp
1 5 10 15

Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe
20 25 30

Thr Tyr His Val
35

<210> 305

<211> 20

<212> PRT

<213> Homo sapiens

T R D E Q 2 T F 6 6 4 5 0 0 0 T

<400> 305

Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe Thr Tyr His Val Leu
1 5 10 15

Met Arg Gly Gly
20

<210> 306

<211> 22

<212> PRT

<213> Homo sapiens

<400> 306

Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
1 5 10 15

Val Tyr Ile Lys Leu Asp
20

<210> 307

<211> 27

<212> PRT

<213> Homo sapiens

TDE027-56750001

<400> 307

Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly
1 5 10 15

Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro
20 25

<210> 308

<211> 20

<212> PRT

<213> Homo sapiens

<400> 308

Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
1 5 10 15

Val Tyr Ile Lys
20

<210> 309

<211> 27

<212> PRT

<213> Homo sapiens

<400> 309

Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly
1 5 10 15

Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro
20 25

<210> 310

<211> 27

<212> PRT

FOECDAT-6645000T

<213> Homo sapiens

<400> 310

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys
20 25

<210> 311

<211> 27

<212> PRT

<213> Homo sapiens

<400> 311

Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly
1 5 10 15

Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro
20 25

<210> 312

<211> 29

<212> PRT

<213> Homo sapiens

<400> 312

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu
20 25

<210> 313

<211> 27

<212> PRT

<213> Homo sapiens

<400> 313

Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
1 5 10 15

Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro
20 25

TOPSEARCH

<210> 314

<211> 27

<212> PRT

<213> Homo sapiens

<400> 314

Gln His Glu Gly Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn
1 5 10 15

Leu Gly Asn His Tyr Asp Pro Thr Thr Gly Lys
20 25

<210> 315

<211> 27

<212> PRT

<213> Homo sapiens

<400> 315

Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu Asn
20 25

FEDERAL REGISTER

<210> 316

<211> 27

<212> PRT

<213> Homo sapiens

<400> 316

Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly
1 5 10 15

Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln
20 25

<210> 317

<211> 29

<212> PRT

<213> Homo sapiens

<400> 317

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu
20 25

<210> 318

<211> 29

<212> PRT

<213> Homo sapiens

<400> 318

Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
1 5 10 15

TOP SECRET SOURCE

Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu
20 25

<210> 319

<211> 44

<212> PRT

<213> Homo sapiens

<400> 319

Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro
1 5 10 15

Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro
20 25 30

Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser
35 40

<210> 320

<211> 27

<212> PRT

<213> Homo sapiens

<400> 320

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro
20 25

<210> 321

<211> 29

<212> PRT

<213> Homo sapiens

TOLERANCE

<400> 321

Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile
20 25

<210> 322

<211> 1528

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (161) .. (895)

<223>

<400> 322

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caggaggcgc ctgatcgccg ccggggcgct ggggtggtg atg gtg ctg ctg 175
Met Val Leu Leu Leu
1 5

gtg atc ctc atc ccg gtg atg ctg ggc acc tgc cgc atg gtc tgc 223
Val Ile Leu Ile Pro Val Leu Met Leu Gly Thr Cys Arg Met Val Cys
10 15 20

gac ccc tac ggg ggc acc aag gcg ccc agc acc gct gcc acg ccc gac 271
Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr Ala Ala Thr Pro Asp
25 30 35

cgc ggc ctc atg cag tcc ctg ccc acc ttc atc cag ggc ccc aaa ggc 319
Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile Gln Gly Pro Lys Gly
40 45 50

gag gcc ggc agg ccc ggg aag gcg ggt ccg cgc ggg ccc ccc gga gag 367
Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu
55 60 65

ccc ggg cca ccc ggc ccc atg ggg ccc ccg ggc gag aag ggc gag ccg 415

Pro	Gly	Pro	Pro	Gly	Pro	Met	Gly	Pro	Pro	Gly	Glu	Lys	Gly	Glu	Pro	
70						75				80				85		
ggc	cgc	caa	ggc	ctg	ccg	ggc	ccg	ccc	ggg	gcg	ccc	ggc	ctg	aac	gcg	463
Gly	Arg	Gln	Gly	Leu	Pro	Gly	Pro	Pro	Gly	Ala	Pro	Gly	Leu	Asn	Ala	
						90				95				100		
gcc	ggg	gcc	atc	agc	gcc	acc	tac	agc	acg	ggg	ccc	aag	atc	gcc		511
Ala	Gly	Ala	Ile	Ser	Ala	Ala	Thr	Tyr	Ser	Thr	Gly	Pro	Lys	Ile	Ala	
						105			110				115			
ttc	tac	gcc	ggc	ctc	aag	cg	cag	cat	gaa	ggc	tac	gag	gtg	ctc	aag	559
Phe	Tyr	Ala	Gly	Leu	Lys	Arg	Gln	His	Glu	Gly	Tyr	Glu	Val	Leu	Lys	
						120			125				130			
ttc	gac	gac	gtg	gtc	acc	aac	ctc	gga	aac	cac	tac	gac	ccc	acc	acc	607
Phe	Asp	Asp	Val	Val	Thr	Asn	Leu	Gly	Asn	His	Tyr	Asp	Pro	Thr	Thr	
						135			140				145			
ggc	aag	ttc	acc	tgc	tcc	atc	ccg	ggc	atc	tac	ttc	ttc	acc	tac	cac	655
Gly	Lys	Phe	Thr	Cys	Ser	Ile	Pro	Gly	Ile	Tyr	Phe	Phe	Thr	Tyr	His	
						150			155				160		165	
gtc	ctg	atg	cg	gga	ggg	gac	ggc	acc	agc	atg	tgg	gct	gat	ctc	tgc	703
Val	Leu	Met	Arg	Gly	Gly	Asp	Gly	Thr	Ser	Met	Trp	Ala	Asp	Leu	Cys	
						170			175				180			
aaa	aac	aac	cag	gtg	cgt	gct	agt	gca	att	gcc	caa	gat	gct	gat	cag	751
Lys	Asn	Asn	Gln	Val	Arg	Ala	Ser	Ala	Ile	Ala	Gln	Asp	Ala	Asp	Gln	
						185			190				195			
aat	tac	gac	tat	gcc	agt	aac	agt	gtg	gtt	ctt	cat	ttg	gag	ccg	gga	799
Asn	Tyr	Asp	Tyr	Ala	Ser	Asn	Ser	Val	Val	Leu	His	Leu	Glu	Pro	Gly	
						200			205				210			
gat	gaa	gtc	tat	atc	aaa	tta	gat	ggc	ggg	aaa	gcc	cat	gga	gga	aac	847
Asp	Glu	Val	Tyr	Ile	Lys	Leu	Asp	Gly	Gly	Lys	Ala	His	Gly	Gly	Asn	
						215			220				225			
aac	aac	aaa	tac	agc	acg	ttt	tct	gga	ttt	att	att	tat	gct	gac	tga	895
Asn	Asn	Lys	Tyr	Ser	Thr	Phe	Ser	Gly	Phe	Ile	Ile	Tyr	Ala	Asp		
						230			235				240			
taatgcagaa	actaagctta	ttattctgag	tttgaacact	ggattcgtat	ggctaacgtc											955
agtgaatcaa	ggatcccagg	ggatgccaat	ggcagggcac	ctcagttgtg	tatatgtggg											1015
gaaatcaaata	gctacctgac	tcacatctgt	atcactcaga	aacattatgt	aaaaaatatc											1075
aaagcaagat	aagcagatgt	gtgatccact	accgc当地	caaatactcc	ttatcgtag											1135
tgtccatgtg	aatgaagtcc	tatata	acaaattttt	atagacaaat	ctaagacatt											1195
gaattatttc	ttcttatata	atgatacttt	ggtgtactgt	gatcttgctg	cttttatcca											1255
tatgtcagct	ttggttcttg	tgagttacc	tgcttattat	gatacttgaa	gtccattcat											1315

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tcttttacat atttctttt tcttatatga aat 1528

<210> 323

<211> 244

<212> PRT

<213> Homo sapiens

<400> 323

Met Val Leu Leu Leu Val Ile Leu Ile Pro Val Leu Met Leu Gly Thr
1 5 10 15

Cys Arg Met Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr
20 25 30

Ala Ala Thr Pro Asp Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile
35 40 45

Gln Gly Pro Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg
50 55 60

Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly
65 70 75 80

Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala
85 90 95

Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr Tyr Ser Thr
100 105 110

Gly Pro Lys Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln His Glu Gly
115 120 125

Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His
130 135 140

Tyr Asp Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr
145 150 155 160

Phe Phe Thr Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met
165 170 175

Trp Ala Asp Leu Cys Lys Asn Asn Gln Val Arg Ala Ser Ala Ile Ala
180 185 190

Gln Asp Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu
195 200 205

His Leu Glu Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp Gly Gly Lys
210 215 220

Ala His Gly Gly Asn Asn Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile
225 230 235 240

Ile Tyr Ala Asp

<210> 324

<211> 735

<212> DNA

<213> Homo sapiens

<400> 324
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atgcagtccc tgcccacctt catccagggc cccaaaggcg aggccggcag gcccgggaag 180
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tatgccagta acagtgtgg tcttcattt gaggcgggag atgaagtcta tatcaaatta 660
gatggcggga aagcccatgg aggaaacaac aacaaataca gcacgtttc tggatttatt 720
atttatgctg actga 735

<210> 325

<211> 19

<212> PRT

<213> Homo sapiens

<400> 325

Met Val Leu Leu Leu Val Ile Leu Ile Pro Val Leu Met Leu Gly Thr
1 5 10 15

Cys Arg Met

<210> 326

<211> 225

<212> PRT

<213> Homo sapiens

<400> 326

Val Cys Asp Pro Tyr Gly Gly Thr Lys Ala Pro Ser Thr Ala Ala Thr
1 5 10 15

Pro Asp Arg Gly Leu Met Gln Ser Leu Pro Thr Phe Ile Gln Gly Pro
20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro
35 40 45

Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly
50 55 / 60

Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu
65 70 75 80

Asn Ala Ala Gly Ala Ile Ser Ala Ala Thr Tyr Ser Thr Gly Pro Lys
85 90 95

Ile Ala Phe Tyr Ala Gly Leu Lys Arg Gln His Glu Gly Tyr Glu Val
100 105 110

Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp Pro
115 120 125

Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe Thr
130 135 140

Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp
145 150 155 160

Leu Cys Lys Asn Asn Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala
165 170 175

Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu
180 185 190

Pro Gly Asp Glu Val Tyr Ile Lys Leu Asp Gly Gly Lys Ala His Gly
195 200 205

Gly Asn Asn Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Ala
210 215 220

Asp
225

<210> 327

<211> 36

<212> PRT

<213> Homo sapiens

|

<400> 327

Val Leu Lys Phe Asp Asp Val Val Thr Asn Leu Gly Asn His Tyr Asp

TOPDOOR - T2000

1 5 10 15

Pro Thr Thr Gly Lys Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe
20 25 30

Thr Tyr His Val
35

<210> 328

<211> 20

<212> PRT

<213> Homo sapiens

<400> 328

Phe Thr Cys Ser Ile Pro Gly Ile Tyr Phe Phe Thr Tyr His Val Leu
1 5 10 15

Met Arg Gly Gly
20

<210> 329

<211> 22

<212> PRT

<213> Homo sapiens

<400> 329

Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
1 5 10 15

Val Tyr Ile Lys Leu Asp
20

<210> 330

<211> 27

<212> PRT

TOEDEDEEEEDDDEED

<213> Homo sapiens

<400> 330

Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly
1 5 10 15

Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro
20 25

<210> 331

<211> 20

<212> PRT

<213> Homo sapiens

<400> 331

Asp Tyr Ala Ser Asn Ser Val Val Leu His Leu Glu Pro Gly Asp Glu
1 5 10 15

Val Tyr Ile Lys
20

<210> 332

<211> 27

<212> PRT

<213> Homo sapiens

<400> 332

Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly
1 5 10 15

Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro
20 25

<210> 333

<211> 27

PROTEIN SEQUENCES

<212> PRT

<213> Homo sapiens

<400> 333

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys
20 25

<210> 334

<211> 27

<212> PRT

<213> Homo sapiens

<400> 334

Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly
1 5 10 15

Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro
20 25

<210> 335

<211> 29

<212> PRT

<213> Homo sapiens

<400> 335

Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu
20 25 /

TOP SECRET//NOFORN

<210> 336

<211> 27

<212> PRT

<213> Homo sapiens

<400> 336

Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
1 5 10 15

Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro
20 25

<210> 337

<211> 27

<212> PRT

<213> Homo sapiens

<400> 337

Gln His Glu Gly Tyr Glu Val Leu Lys Phe Asp Asp Val Val Thr Asn
1 5 10 15

Leu Gly Asn His Tyr Asp Pro Thr Thr Gly Lys
20 25

<210> 338

<211> 27

<212> PRT

<213> Homo sapiens

<400> 338

Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly
1 5 10 15

Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu Asn

20

25

<210> 339

<211> 27

<212> PRT

<213> Homo sapiens

<400> 339

Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly
1 5 10 15

Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln
20 25

<210> 340

<211> 29

<212> PRT

<213> Homo sapiens

<400> 340

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu
20 25

<210> 341

<211> 29

<212> PRT

<213> Homo sapiens

<400> 341

Gly Pro Pro Gly Pro Met Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly
1 5 10 15

Arg Gln Gly Leu Pro Gly Pro Pro Gly Ala Pro Gly Leu
20 25

<210> 342

<211> 44

<212> PRT

<213> Homo sapiens

<400> 342

Pro Arg Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Met Gly Pro
1 5 10 15

Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly Pro Pro
20 25 30

Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile Ser
35 40

<210> 343

<211> 27

<212> PRT

<213> Homo sapiens

<400> 343

Gly Glu Ala Gly Arg Pro Gly Lys Ala Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro
20 25

<210> 344

<211> 29

<212> PRT

<213> Homo sapiens

FOEDEPIT 50000T

<400> 344

Gly Pro Pro Gly Glu Lys Gly Glu Pro Gly Arg Gln Gly Leu Pro Gly
1 5 10 15

Pro Pro Gly Ala Pro Gly Leu Asn Ala Ala Gly Ala Ile
20 25

<210> 345

<211> 452

<212> DNA

<213> Homo sapiens

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gcccaagctgc ataccgctgg gtacaggaga gagttcctgg aataccaccg ccctccagga 180
gctttgcata cctgcggggg cccgggggca ttccacacta tcgtgcacct gaaggcggga 240
gatgcagtca acgtcgtggt gactggggc aagctggctc acacagactt tcatgaaatg 300
tactccacat ttagtggggt tttcttatat ccttccttt cccacacta aggtggctgg 360
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tgtatgtaat ggaagcacgg ngctagagtt tc 452

<210> 346

<211> 3122

<212> DNA

<213> Homo sapiens

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tttccccagt gatggggcg ttgtcctctt taacaaagtg ctggtaacg acggggatgt 180
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caccctcacc cccgagagag acgcctacgt ggaagcagtg ctgtcggtct ccaacgccag 300
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ctggggagat gtcagggaa agatagatag ttgtaaaaac tctaaagctt taatatattc 600
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 gc | 3122

卷一百一十一

<211> 2216

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)..(1542)

<223>

<400> 347
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 Gly Thr Ala Val Pro Pro Ala Pro Gln Val Leu Arg Thr Trp Arg Phe
 20 25 30

 ggc act gag cgg gga tct gtg tgc tcc tct gtt gag ggg gag acc aac
 Gly Thr Glu Arg Gly Ser Val Cys Ser Ser Val Glu Gly Glu Thr Asn
 35 40 45

 tgt ttc ttc gaa aaa gcc cct tta tct aag ctc acc ccg ggc cca ttt
 Cys Phe Glu Lys Ala Pro Leu Ser Lys Leu Thr Pro Gly Pro Phe
 50 55 60

 agc acc aca agc gac agt ttc tct gaa ttt tct gat gag tcc agc att
 Ser Thr Thr Ser Asp Ser Phe Ser Glu Phe Ser Asp Glu Ser Ser Ile
 65 70 75 80

 tct cat gct tca gtc cgt gat ggg agt ttt aaa aca aaa cta gac ggc
 Ser His Ala Ser Val Arg Asp Gly Ser Phe Lys Thr Lys Leu Asp Gly
 85 90 95

 agg tcg gga ggc agc cgc cga ttt ttg tcg ggt cct aaa caa aaa tca
 Arg Ser Gly Gly Ser Arg Arg Phe Leu Ser Gly Pro Lys Gln Lys Ser
 100 105 110

 aat gtg ttg cgc ttt gga act ctg ggc atc gtg ggc acc agg ctg acg
 Asn Val Leu Arg Phe Gly Thr Leu Gly Ile Val Gly Thr Arg Leu Thr
 115 120 125

 ggg gcg gcg ggg atg gcg ttt ctt ggc gag cgg gtc cct cag cca ggc
 Gly Ala Ala Gly Met Ala Phe Leu Gly Glu Arg Val Pro Gln Pro Gly
 130 135 140

 ccg ggt att gtc agg cgt ccc gtg gac ggt cgg gag ggg ctt cct gga
 Pro Gly Ile Val Arg Arg Pro Val Asp Gly Arg Glu Gly Leu Pro Gly
 140 145 150

卷之三

145	150	155	160
ggg ctc gtt ccg gga acg agt tca aag gag gaa agg ggc gca gct tcc Gly Leu Val Pro Gly Thr Ser Ser Lys Glu Glu Arg Ala Ala Ala Ser	165	170	175
ggc gcc ttc ccc aga ggg ccg gga gac gca cgc cag gag ctt cct ccg Gly Ala Phe Pro Arg Gly Pro Gly Asp Ala Arg Gln Glu Leu Pro Pro	180	185	190
ttg gaa gtc cct tcc gct ggc gac gtg ggc gct gtg gcc gcg gcc ctc Leu Glu Val Pro Ser Ala Gly Asp Val Gly Ala Val Ala Ala Ala Leu	195	200	205
gtg gag cct gag ccc tcc tca cgg cct ccg cgc agc cct ggg gcc ccc Val Glu Pro Glu Pro Ser Ser Arg Pro Pro Arg Ser Pro Gly Ala Pro	210	215	220
cgg cag ggt ccc tcg gca gcc cgc ggg aga ggc cgt ggg gcc ccg gca Arg Gln Gly Pro Ser Ala Ala Arg Gly Arg Gly Arg Gly Ala Pro Ala	225	230	235
720			
gga gtg tgg ttc aga gac gag gcg ccc tcg ccc ccg ccg ccc gca gag Gly Val Trp Phe Arg Asp Glu Ala Pro Ser Pro Pro Pro Ala Glu	245	250	255
768			
gcc ccg aag gag ccg ctg cag ccc gag ccc gcc ccg ccg agg ccc agc Ala Pro Lys Glu Pro Leu Gln Pro Glu Pro Ala Pro Pro Arg Pro Ser	260	265	270
816			
ggc ccc gca acc gca gag gac cct ggg cga cgg ccc gtc ctg ccc cag Gly Pro Ala Thr Ala Glu Asp Pro Gly Arg Arg Pro Val Leu Pro Gln	275	280	285
864			
cg ^g ccc ccc gag gag agg ccg ccc cag ccg cca ggc tcc acc ggg gtc Arg Pro Pro Glu Glu Arg Pro Pro Gln Pro Pro Gly Ser Thr Gly Val	290	295	300
912			
atc gcg gag acg ggc cag gcc ggg ccc ccc gca ggc gca ggc gtg tct Ile Ala Glu Thr Gly Gln Ala Gly Pro Pro Ala Gly Ala Gly Val Ser	305	310	315
960			
325			
998			
ggg cgg ggt ctg ccg cgg ggc gtg gac ggc cag acc ggg agc ggc acc Gly Arg Gly Leu Pro Arg Gly Val Asp Gly Gln Thr Gly Ser Gly Thr	325	330	335
1008			
gtc ccc ggc gca gaa ggc ttc gcg ggc gca cca gga tac ccg aag tca Val Pro Gly Ala Glu Gly Phe Ala Gly Ala Pro Gly Tyr Pro Lys Ser	340	345	350
1056			
cct cct gta gct tcc cca gga gct ccg gtg cct tct ctg gtg tct ttt Pro Pro Val Ala Ser Pro Gly Ala Pro Val Pro Ser Leu Val Ser Phe	355	360	365
1104			
tct gcg ggg ctc acc cag aag cct ttc ccc agt gat ggg ggc gtt gtc Ser Ala Gly Leu Thr Gln Lys Pro Phe Pro Ser Asp Gly Gly Val Val	370	375	380
1152			

TOP SECRET

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tgctcaggcg ggccttcgcc cagctgcaaa tagggatgct ttagagactg ttcccaaagc	2132
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2216

<210> 348

<211> 513

<212> PRT

<213> Homo sapiens

<400> 348

Met Glu Gly Asp Ala Gln Leu Ala Val Glu Gly Val Ser Ile Gly Pro
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Gly Thr Ala Val Pro Pro Ala Pro Gln Val Leu Arg Thr Trp Arg Phe
20 25 30

Gly Thr Glu Arg Gly Ser Val Cys Ser Ser Val Glu Gly Glu Thr Asn
35 40 45

Cys Phe Phe Glu Lys Ala Pro Leu Ser Lys Leu Thr Pro Gly Pro Phe
50 55 60

Ser Thr Thr Ser Asp Ser Phe Ser Glu Phe Ser Asp Glu Ser Ser Ile
65 70 75 80

Ser His Ala Ser Val Arg Asp Gly Ser Phe Lys Thr Lys Leu Asp Gly
85 90 95

Arg Ser Gly Gly Ser Arg Arg Phe Leu Ser Gly Pro Lys Gln Lys Ser
100 105 110

Asn Val Leu Arg Phe Gly Thr Leu Gly Ile Val Gly Thr Arg Leu Thr
115 120 125

Gly Ala Ala Gly Met Ala Phe Leu Gly Glu Arg Val Pro Gln Pro Gly
130 135 140

Pro Gly Ile Val Arg Arg Pro Val Asp Gly Arg Glu Gly Leu Pro Gly
145 150 155 160

Gly Leu Val Pro Gly Thr Ser Ser Lys Glu Glu Arg Ala Ala Ala Ser
165 170 175

Gly Ala Phe Pro Arg Gly Pro Gly Asp Ala Arg Gln Glu Leu Pro Pro
180 185 190

Leu Glu Val Pro Ser Ala Gly Asp Val Gly Ala Val Ala Ala Ala Leu
195 200 205

Val Glu Pro Glu Pro Ser Ser Arg Pro Pro Arg Ser Pro Gly Ala Pro
210 215 220

Arg Gln Gly Pro Ser Ala Ala Arg Gly Arg Gly Arg Gly Ala Pro Ala
225 230 235 240

Gly Val Trp Phe Arg Asp Glu Ala Pro Ser Pro Pro Pro Ala Glu
245 250 255

Ala Pro Lys Glu Pro Leu Gln Pro Glu Pro Ala Pro Pro Arg Pro Ser
260 265 270

Gly Pro Ala Thr Ala Glu Asp Pro Gly Arg Arg Pro Val Leu Pro Gln
275 280 285

Arg Pro Pro Glu Glu Arg Pro Pro Gln Pro Pro Gly Ser Thr Gly Val
290 295 300

Ile Ala Glu Thr Gly Gln Ala Gly Pro Pro Ala Gly Ala Gly Val Ser
305 310 315 320

Gly Arg Gly Leu Pro Arg Gly Val Asp Gly Gln Thr Gly Ser Gly Thr
325 330 335

Val Pro Gly Ala Glu Gly Phe Ala Gly Ala Pro Gly Tyr Pro Lys Ser
340 345 350

Pro Pro Val Ala Ser Pro Gly Ala Pro Val Pro Ser Leu Val Ser Phe
355 360 365

Ser Ala Gly Leu Thr Gln Lys Pro Phe Pro Ser Asp Gly Gly Val Val
370 375 380

Leu Phe Asn Lys Val Leu Val Asn Asp Gly Asp Val Tyr Asn Pro Ser
385 390 395 400

Thr Gly Val Phe Thr Ala Pro Tyr Asp Gly Arg Tyr Leu Ile Thr Ala
405 410 415

Thr Leu Thr Pro Glu Arg Asp Ala Tyr Val Glu Ala Val Leu Ser Val
420 425 430

Ser Asn Ala Ser Val Ala Gln Leu His Thr Ala Gly Tyr Arg Arg Glu
435 440 445

Phe Leu Glu Tyr His Arg Pro Thr Gly Ala Leu His Thr Cys Gly Gly
450 455 460

Pro Gly Ala Phe His Leu Ile Val His Leu Lys Ala Gly Asp Ala Val
465 470 475 480

Asn Val Val Val Thr Gly Gly Lys Leu Ala His Thr Asp Phe Asp Glu
485 490 495

Met Tyr Ser Thr Phe Ser Gly Val Phe Leu Tyr Pro Phe Leu Ser His
500 505 510

Leu

<210> 349

<211> 1542

<212> DNA

<213> Homo sapiens

<400> 349
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tcctctgttg agggggagac caactgttcc ttcgaaaaag cccctttatc taagctcacc 180
ccgggccccat ttagcaccac aagcgacagt ttctctgaat tttctgtatga gtccagcatt 240
tctcatgctt cagtcgtga tggagttt aaaacaaaac tagacggcag gtcgggaggc 300
agccgccat ttttgtcgaa tcctaaacaa aaatcaaatg tggactcgctt tggaactctg 360
ggcatcgtgg gcaccaggct gacggggcg gcggggatgg cgtttcttgg cgagcgggtc 420

TOP SECRET//NOFORN

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agagggccgg gagacgcacg ccaggagctt cctccgttgg aagtcccttc cgctggcgcac 600
gtgggcgctg tggccgcggc cctcgtggag cctgagccct cctcacggcc tccgcgcagc 660
cctggggccc cccggcaggg tccctcggca gcccgcggga gaggccgtgg ggccccggca 720
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<210> 350

<211> 36

<212> PRT

<213> Homo sapiens

<400> 350

Val Val Leu Phe Asn Lys Val Leu Val Asn Asp Gly Asp Val Tyr Asn
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Pro Ser Thr Gly Val Phe Thr Ala Pro Tyr Asp Gly Arg Tyr Leu Ile

20

25

30

Thr Ala Thr Leu
35

<210> 351

<211> 27

<212> PRT

<213> Homo sapiens

T0E023-66450001

<400> 351

Phe Pro Ser Asp Gly Gly Val Val Leu Phe Asn Lys Val Leu Val Asn
1 5 10 15

Asp Gly Asp Val Tyr Asn Pro Ser Thr Gly Val
20 25

<210> 352

<211> 171

<212> PRT

<213> Homo sapiens

<400> 352

Glu Thr Ser Leu Glu Arg Glu Arg Leu Ser Phe Cys Thr Gly Ser Arg
1 5 10 15

Thr Thr Arg Ser Ala Glu Leu Lys Ala Val Gly Phe Glu Ala Ala Leu
20 25 30

Gln Glu Val Ile Thr Pro Glu Val Val Pro Ala Ser Gln Ser Glu Ala
35 40 45

Tyr Gln Thr Leu Arg Gln Asn Gln Ala Gln Val His Asn Phe Phe Phe
50 55 60

Phe Trp Gly Gly Asp Ser Pro Thr Leu Ser Pro Arg Leu Glu Cys Ser
65 70 75 80

Ser Ala Ile Ser Ala His Cys Asn Leu Arg Leu Pro Gly Ser Ser Asn
85 90 95

Ser Pro Thr Ser Ala Ser Arg Val Ala Gly Thr Thr Gly Ala Cys Arg
100 105 110

His Ala Arg Leu Ile Phe Cys Ile Leu Val Glu Met Gly Phe His Arg
115 120 125

Val Ala Gln Ala Gly Arg Glu Leu Leu Ser Ser Ala Asn Pro Pro Thr
130 135 140

Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Met Ser His His Ala Gln
145 150 155 160

Pro Ser Ser Gln Leu Leu Ile Ser Ser Cys Cys
165 170

<210> 353

<211> 418

<212> DNA

<213> Homo sapiens

<400> 353

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cgtccccggt gggtgcgggg gcgtcaggtg ggcaaaaccc cagcgagggg aagctccagg 120
atcggtgcag tgccatttct aggtccctcc tcctctcccc acttcccttt tctctgcacc 180
catttgacag gaggctctgc aatcatctgc ttattgcgcg tcaccgtcat ccagtggag 240
agccttgtgg taccacctt ctccacctat ggctgcggcc cgccaggaaga tgacgggttg 300
ctcttctgct ctggagccat ccctgttgcc ggtaactgca acccgcaaga tgatgccaga 360
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<210> 354

<211> 1613

<212> DNA

王氏詩集

<213> Homo sapiens

<220>

<221> CDS

<222> (683)..(1564)

<223>

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gtg cct cgc att gct ttc tac gcg ggc ctg cgg cgg ccc cac gag ggt Val Pro Arg Ile Ala Phe Tyr Ala Gly Leu Arg Arg Pro His Glu Gly 110 115 120	1048
tac gag gtg ctg cgc ttc gac gac gtg gtg acc aac gtg ggc aac gcc Tyr Glu Val Leu Arg Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala 125 130 135	1096
L tac gag gca gcc agc ggc aag ttt act tgc ccc atg cca ggc gtc tac Tyr Glu Ala Ala Ser Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr 140 145 150	1144
D ttc ttc gct tac cac gtg ctc atg cgc ggc ggc gac ggc acc agc atg Phe Phe Ala Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met 155 160 165 170	1192
S tgg gcc gac ctc atg aag aac gga cag ggc tgg ggg cct aga acg gcc Trp Ala Asp Leu Met Lys Asn Gly Gln Gly Trp Gly Pro Arg Thr Ala 175 180 185	1240
E ttg ccc tca gca gag tct gtg gct tgg cag ctc aag ggc cag cca gga Leu Pro Ser Ala Glu Ser Val Ala Trp Gln Leu Lys Gly Gln Pro Gly 190 195 200	1288
R gcc tct gca atc atc tgc tta ttg cgc gtc acc gtc atc cag tgg gag Ala Ser Ala Ile Ile Cys Leu Leu Arg Val Thr Val Ile Gln Trp Glu 205 210 215	1336
W agc ctt gtg gta cca cct ttc tcc acc tat ggc tgc ggc ccg cag gaa Ser Leu Val Val Pro Pro Phe Ser Thr Tyr Gly Cys Gly Pro Gln Glu 220 225 230	1384
K gat gac ggg ttg cgc ttc tgc tct gga gcc agc cct gtt gcc ggg aac Asp Asp Gly Leu Arg Phe Cys Ser Gly Ala Ser Pro Val Ala Gly Asn 235 240 245 250	1432
T tgc aac ccg caa gat gat gcc aga gct cag ctt ccc tct ttt tat gtt Cys Asn Pro Gln Asp Asp Ala Arg Ala Gln Leu Pro Ser Phe Tyr Val 255 260 265	1480
N gca gag ttt atg ctg ccc tgc act gag cag acg ctt tcg ctt acg cag Ala Glu Phe Met Leu Pro Cys Thr Glu Gln Thr Leu Ser Leu Thr Gln 270 275 280	1528
H ccc tgc cct tca cct tgc cca gtg att ccg gaa taa ccttccggac Pro Cys Pro Ser Pro Cys Pro Val Ile Pro Glu 285 290	1574

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1613

<210> 355

<211> 293

<212> PRT

<213> Homo sapiens

<400> 355

Met Val Leu Leu Leu Leu Val Ala Ile Pro Leu Leu Val His Ser Ser
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Arg Gly Pro Ala His Tyr Glu Met Leu Gly Arg Cys Arg Met Val Cys
20 25 30

Asp Pro His Gly Pro Arg Gly Pro Gly Pro Asp Gly Ala Pro Ala Ser
35 40 45

Val Pro Pro Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly
50 55 60

Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro
65 70 75 80

Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly
85 90 95

Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala Phe
100 105 110

Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg Phe
115 120 125

Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly
130 135 140

Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val
145 | 150 155 160

/
Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met Lys
165 170 175

Asn Gly Gln Gly Trp Gly Pro Arg Thr Ala Leu Pro Ser Ala Glu Ser
180 185 190

Val Ala Trp Gln Leu Lys Gly Gln Pro Gly Ala Ser Ala Ile Ile Cys
195 200 205

Leu Leu Arg Val Thr Val Ile Gln Trp Glu Ser Leu Val Val Pro Pro
210 215 220

Phe Ser Thr Tyr Gly Cys Gly Pro Gln Glu Asp Asp Gly Leu Arg Phe
225 230 235 240

Cys Ser Gly Ala Ser Pro Val Ala Gly Asn Cys Asn Pro Gln Asp Asp
245 250 255

Ala Arg Ala Gln Leu Pro Ser Phe Tyr Val Ala Glu Phe Met Leu Pro
260 265 270

Cys Thr Glu Gln Thr Leu Ser Leu Thr Gln Pro Cys Pro Ser Pro Cys
275 280 285

Pro Val Ile Pro Glu
290

<210> 356

<211> 882

<212> DNA

<213> Homo sapiens

<400> 356
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ggtccccacg gcgcgcctgc ttccgtgccc cccttcccg caggcgccaa gggagaggtg 180
ggccggcgcg ggaaagcagg cctgcggggg cccccctggac caccaggtcc aagagggccc 240
ccaggagaac ccggcaggcc agggcccccgg ggccctcccg gtccaggtcc gggcggggtg 300
gcgccccgtc ccggctacgt gcctcgatt gctttctacg cgggcctgctcg gcgccccac 360

gagggttacg aggtgctgcg cttcgacgac gtggtagcca acgtgggcaa cgccctacgag 420
gcagccagcg gcaagttac ttgccccatg ccaggcgtct acttcttcgc ttaccacgtg 480
ctcatgcgcg gcggcgacgg caccagcatg tgggcccacc tcataagaa cggacagggc 540
tgggggccta gaacggcctt gccctcagca gagtctgtgg ctggcagct caagggccag 600
ccaggagcct ctgcaatcat ctgcttattg cgcgtcaccg tcataccagtgg ggagagcctt 660
gtggtaccac ctttctccac ctatggctgc ggcccgagg aagatgacgg gttgcgccttc 720
tgctctggag ccagccctgt tgccggaaac tgcaacccgc aagatgatgc cagagctcag 780
cttccctctt tttatgttgc agagtttatg ctgcccgtca ctgagcagac gctttcgctt 840
acgcagccct gcccttcacc ttgcccagtgg attccggaaat aa 882

<210> 357

<211> 15

<212> PRT

<213> Homo sapiens

<400> 357

Met Val Leu Leu Leu Leu Val Ala Ile Pro Leu Leu Val His Ser
1 5 10 15

<210> 358

<211> 278

<212> PRT

<213> Homo sapiens

<400> 358

Ser Arg Gly Pro Ala His Tyr Glu Met Leu Gly Arg Cys Arg Met Val
1 5 10 15

Cys Asp Pro His Gly Pro Arg Gly Pro Gly Pro Asp Gly Ala Pro Ala
20 25 30

Ser Val Pro Pro Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg
35 40 45

Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly
50 55 60

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro
65 70 75 80

Gly Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala
85 90 95

Phe Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg
100 105 110

Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser
115 120 125

Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His
130 135 140

Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met
145 150 155 160

Lys Asn Gly Gln Gly Trp Gly Pro Arg Thr Ala Leu Pro Ser Ala Glu
165 170 175

Ser Val Ala Trp Gln Leu Lys Gly Gln Pro Gly Ala Ser Ala Ile Ile
180 185 190

Cys Leu Leu Arg Val Thr Val Ile Gln Trp Glu Ser Leu Val Val Pro
195 200 205

Pro Phe Ser Thr Tyr Gly Cys Gly Pro Gln Glu Asp Asp Gly Leu Arg
210 215 220

Phe Cys Ser Gly Ala Ser Pro Val Ala Gly Asn Cys Asn Pro Gln Asp
225 230 235 240

Asp Ala Arg Ala Gln Leu Pro Ser Phe Tyr Val Ala Glu Phe Met Leu
245 250 255

Pro Cys Thr Glu Gln Thr Leu Ser Leu Thr Gln Pro Cys Pro Ser Pro
260 265 270

Cys Pro Val Ile Pro Glu
275

<210> 359

<211> 36

<212> PRT

<213> Homo sapiens

<400> 359

Val Leu Arg Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu
1 5 10 15

Ala Ala Ser Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe
20 25 30

Ala Tyr His Val
35

<210> 360

<211> 20

<212> PRT

<213> Homo sapiens

<400> 360

Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val Leu
1 5 10 15

Met Arg Gly Gly
20

<210> 361

<211> 27

<212> PRT

<213> Homo sapiens

400 361

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly
20 25

210 362

211 27

212 PRT

213 Homo sapiens

400 362

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly
20 25

210 363

211 27

212 PRT

213 Homo sapiens

400 363

Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly
1 5 10 15

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro
20 25

210 364

211 27

212 PRT

<213> Homo sapiens

<400> 364

Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
20 25

<210> 365

<211> 29

<212> PRT

<213> Homo sapiens

<400> 365

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly Val Ala
20 25

<210> 366

<211> 27

<212> PRT

<213> Homo sapiens

<400> 366

Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Arg Pro Gly Pro Pro Pro Gly Pro Pro
20 25

<210> 367

<211> 29

<212> PRT

<213> Homo sapiens

<400> 367

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly
20 25

<210> 368

<211> 29

<212> PRT

<213> Homo sapiens

<400> 368

Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu
20 25

<210> 369

<211> 27

<212> PRT

<213> Homo sapiens

<400> 369

Pro His Glu Gly Tyr Glu Val Leu Arg Phe Asp Asp Val Val Thr Asn
1 5 10 15

Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly Lys
20 25

TDE027-66450004

<210> 370

<211> 14

<212> PRT

<213> Homo sapiens

<400> 370

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu
1 5 10

<210> 371

<211> 27

<212> PRT

<213> Homo sapiens

<400> 371

Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro
1 5 10 15

Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro
20 25

<210> 372

<211> 27

<212> PRT

<213> Homo sapiens

<400> 372

Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Gly Pro Gly Pro Gly Gly Val Ala Pro
20 25 /

<210> 373

<211> 24

<212> PRT

<213> Homo sapiens

<400> 373

Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Gly Pro
1 5 10 15

Gly Gly Val Ala Pro Ala Ala Gly
20

<210> 374

<211> 44

<212> PRT

<213> Homo sapiens

<400> 374

Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro
1 5 10 15

Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro
20 25 30

Gly Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
35 40

<210> 375

<211> 27

<212> PRT

<213> Homo sapiens

<400> 375

Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly

1

5

10

15

Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro
20 25

<210> 376

<211> 29

<212> PRT

<213> Homo sapiens

<400> 376

Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly
1 5 10 15

Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro
20 25

<210> 377

<211> 2016

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (683)..(1399)

<223>

<400> 377

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gagcgcaaaa cctacttagga gatcgccccc ggtgagcagc acccgagct cagagccccgg 180

gacgtccggaa gcgcggggag cagtcccctc tccatcaggg agtgtctat ctgggcagtc 240

tgggaccctag gcaccgcgcc atccctgaga gagcagcagtc ctggagagca ggcatctcag 300

atccctaaga aaccagccgt ccgagaagcc gcggatctca ggtgcccagg atcgtagga	360
ctgaacggga gggtaactaga ggaccactgg ctctggaccg tcggagctg cccctgacgt	420
aacccacgag gggcctcccc ttgacggacg gcttggggag cggcaccgccc ggcctggagc	480
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aaggcgggtc accgctcctg gcccggag agccccggcc cccgcagcca ttgcgccaa	600
gagtgaggaa gatttgctgg ccctggcagc gtgcggctg agccggcgca agagggtggc	660
gggcgcggcc gtcggagtgg cc atg gtg ctg ctg ctg gtg gcc atc ccg Met Val Leu Leu Leu Leu Val Ala Ile Pro	712
1 5 10	
ctg ctg gtg cac agc tcc cgc ggg cca gcg cac tac gag atg ctg ggt Leu Leu Val His Ser Ser Arg Gly Pro Ala His Tyr Glu Met Leu Gly	760
15 20 25	
cgc tgc cgc atg gtg tgc gac ccg cat ggg ccc cgt ggc cct ggt ccc Arg Cys Arg Met Val Cys Asp Pro His Gly Pro Arg Gly Pro Gly Pro	808
30 35 40	
gac ggc gcg cct gct tcc gtg ccc ccc ttc ccg cca ggc gcc aag gga Asp Gly Ala Pro Ala Ser Val Pro Pro Phe Pro Pro Gly Ala Lys Gly	856
45 50 55	
gag gtg ggc cgg cgc ggg aaa gca ggc ctg cgg ggg ccc cct gga cca Glu Val Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro	904
60 65 70	
cca ggt cca aga ggg ccc cca gga gaa ccc ggc agg cca ggc ccc ccg Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro	952
75 80 85 90	
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95 100 105	
gtg cct cgc att gct ttc tac gcg ggc ctg cgg cgg ccc cac gag ggt Val Pro Arg Ile Ala Phe Tyr Ala Gly Leu Arg Arg Pro His Glu Gly	1048
110 115 120	
tac gag gtg ctg cgc ttc gac gac gtg gtg acc aac gtg ggc aac gcc Tyr Glu Val Leu Arg Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala	1096
125 130 135	
tac gag gca gcc agc ggc aag ttt act tgc ccc atg cca ggc gtc tac Tyr Glu Ala Ala Ser Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr	1144
140 145 150	
ttc ttc gct tac cac gtg ctc atg cgc ggc ggc gac ggc acc agc atg Phe Phe Ala Tyr His Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met	1192
155 160 165 170	

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cag gac gcg gac cag aac tac gac tac gcc agc aac agc gtc att ctg Gln Asp Ala Asp Gln Asn Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu 190 195 200	1288
cac ctg gac gtg ggc gac gag gtc ttc atc aag ctg gac ggc ggg aaa His Leu Asp Val Gly Asp Glu Val Phe Ile Lys Leu Asp Gly Gly Lys 205 210 215	1336
gtg cac ggc ggc aac acc aac aag tac agc acc ttc tcc ggc ttc atc Val His Gly Gly Asn Thr Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile 220 225 230	1384
atc tac ccc gac tga gccggccccc cccctgtcccc ccgcgtcccc cttctctccc Ile Tyr Pro Asp 235	1439
gtcctcaccc acctcctgcc cgccccaccc gagggcgccac cccacccttt gagagcctgg	1499
cgggtgggtg gacccttccg ttcccgagg cggcctaaat gggcgaactc ttggtgctca	1559
agggtataag tggccggaa gagggaggaga cccggccaga ggagcagagc gacttccgga	1619
gggatcaccc gcacccaagt gcgcgtgga ccccataggg gcagaggtcg tggcttctc	1679
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ggaagcccc gcagcttgcg agggaaataa cagaaacagg aggagccat ttaggcaaga	1799
gaagacatta aaacagggtta gtgcaggttc tccgtcacaa ctttctctcg ccaccctctc	1859
gtccccctcg ^t ctccactttc aggctcaggc tccagccttg gcagccttcc tgtgaactgg	1919
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ctatccqqac taqqccctqq qqctacagct qctqctq	2016

<210> 378

<211> 238

<212> PRT

<213> Homo sapiens

<400> 378

Met	Val	Leu	Leu	Leu	Leu	Val	Ala	Ile	Pro	Leu	Leu	Val	His	Ser	Ser
1					5				10					15	

Arg Gly Pro Ala His Tyr Glu Met Leu Gly Arg Cys Arg Met Val Cys
20 25 30

Asp Pro His Gly Pro Arg Gly Pro Gly Pro Asp Gly Ala Pro Ala Ser
35 40 45

Val Pro Pro Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly
50 55 60

Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Arg Gly Pro
65 70 75 80

Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly
85 90 95

Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala Phe
100 105 110

Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg Phe
115 120 125

Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly
130 135 140

Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val
145 150 155 160

Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met Lys
165 170 175

Asn Gly Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala Asp Gln Asn
180 185 190

Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly Asp
195 200 205

Glu Val Phe Ile Lys Leu Asp Gly Gly Lys Val His Gly Gly Asn Thr
210 215 220

Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Pro Asp
225 230 235

<210> 379

<211> 717

<212> DNA

<213> Homo sapiens

<400> 379

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cactacgaga tgctgggtcg ctgccgcatt gtgtgcgacc cgcatgggcc ccgtggccct	120
ggtccccacg gcgccgcctgc ttccgtgccc cccttcccgc caggcgccaa gggagaggtg	180
ggccggcgcg ggaaagcagg cctgcggggg cccccctggac caccaggtcc aagagggccc	240
ccaggagaac ccggcaggcc aggccccccg ggccctcccg gtccaggtcc gggcggggtg	300
gcgcggcgtg ccggctacgt gcctcgatt gccttctacg cgggcctgcg gcgccccac	360
gagggttacg aggtgctgcg ctgcgacgac gtggtgacca acgtgggcaa cgcctacgag	420
gcagccagcg gcaagttac ttgcggcatg ccaggcgtct acttcttcgc ttaccacgtg	480
ctcatgcgcg gcggcgacgg caccagcatg tggccgacc tcataagaa cggacaggc	540
cggccagcg ccattgctca ggacgcggac cagaactacg actacgcccag caacagcg	600
attctgcacc tggacgtggg cgacgaggc ttcatcaagc tggacggcgg gaaagtgcac	660
ggcggcaaca ccaacaagta cagcaccttc tccggcttca tcatactaccc cgactga	717

<210> 380

<211> 223

<212> PRT

<213> Homo sapiens

<400> 380

Ser Arg Gly Pro Ala His Tyr Glu Met Leu Gly Arg Cys Arg Met Val			
1	5	10	15

Cys Asp Pro His Gly Pro Arg Gly Pro Gly Pro Asp Gly Ala Pro Ala		
20	25	30

/		
Ser Val Pro Pro Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg		
35	40	45

Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly
50 55 60

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro
65 70 75 80

Gly Pro Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro Arg Ile Ala
85 90 95

Phe Tyr Ala Gly Leu Arg Arg Pro His Glu Gly Tyr Glu Val Leu Arg
100 105 110

Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu Ala Ala Ser
115 120 125

Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His
130 135 140

Val Leu Met Arg Gly Gly Asp Gly Thr Ser Met Trp Ala Asp Leu Met
145 150 155 160

Lys Asn Gly Gln Val Arg Ala Ser Ala Ile Ala Gln Asp Ala Asp Gln
165 170 175

Asn Tyr Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly
180 185 190

Asp Glu Val Phe Ile Lys Leu Asp Gly Gly Lys Val His Gly Gly Asn
195 200 205

Thr Asn Lys Tyr Ser Thr Phe Ser Gly Phe Ile Ile Tyr Pro Asp
210 215 220

<210> 381

<211> 36

<212> PRT

<213> Homo sapiens

/

<400> 381

Val Leu Arg Phe Asp Asp Val Val Thr Asn Val Gly Asn Ala Tyr Glu
1 5 10 15

Ala Ala Ser Gly Lys Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe
20 25 30

Ala Tyr His Val
35

<210> 382

<211> 20

<212> PRT

<213> Homo sapiens

<400> 382

Phe Thr Cys Pro Met Pro Gly Val Tyr Phe Phe Ala Tyr His Val Leu
1 5 10 15

Met Arg Gly Gly
20

<210> 383

<211> 27

<212> PRT

<213> Homo sapiens

<400> 383

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly
20 25

<210> 384

<211> 27

<212> PRT

<213> Homo sapiens

<400> 384

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly
20 25

<210> 385

<211> 22

<212> PRT

<213> Homo sapiens

<400> 385

Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly Asp Glu
1 5 10 15

Val Phe Ile Lys Leu Asp
20

<210> 386

<211> 20

<212> PRT

<213> Homo sapiens

<400> 386

Asp Tyr Ala Ser Asn Ser Val Ile Leu His Leu Asp Val Gly Asp Glu
1 5 10 15

Val Phe Ile Lys
20

<210> 387

<211> 27

<212> PRT

<213> Homo sapiens

<400> 387

Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Arg Gly
1 5 10 15

Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro
20 25

<210> 388

<211> 27

<212> PRT

<213> Homo sapiens

<400> 388

Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly
1 5 10 15

Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
20 25

<210> 389

<211> 29

<212> PRT

<213> Homo sapiens

<400> 389

Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly
1 5 10 | 15

Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly Gly Val Ala
20 25

<210> 390

<211> 27

<212> PRT

<213> Homo sapiens

<400> 390

Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly
1 5 10 15

Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Pro
20 25

<210> 391

<211> 29

<212> PRT

<213> Homo sapiens

<400> 391

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly
1 5 10 15

Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro Gly
20 25

<210> 392

<211> 29

<212> PRT

<213> Homo sapiens

<400> 392

Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly
1 5 10 15

Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu
20 25

<210> 393

<211> 27

<212> PRT

<213> Homo sapiens

<400> 393

Pro His Glu Gly Tyr Glu Val Leu Arg Phe Asp Asp Val Val Thr Asn
1 5 10 15

Val Gly Asn Ala Tyr Glu Ala Ala Ser Gly Lys
20 25

<210> 394

<211> 14

<212> PRT

<213> Homo sapiens

<400> 394

Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro Pro Gly Glu
1 5 10

<210> 395

<211> 27

<212> PRT

<213> Homo sapiens

<400> 395

Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro
1 5 10 15

Gly Gly Val Ala Pro Ala Ala Gly Tyr Val Pro
20 25

<210> 396

<211> 27

<212> PRT

<213> Homo sapiens

<400> 396

Gly Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly
1 5 10 15

Pro Pro Gly Pro Gly Pro Gly Val Ala Pro
20 25

<210> 397

<211> 24

<212> PRT

<213> Homo sapiens

<400> 397

Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Pro Gly Pro
1 5 10 15

Gly Gly Val Ala Pro Ala Ala Gly
20

<210> 398

<211> 44

<212> PRT

<213> Homo sapiens

<400> 398

Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro

1

5

10

15

Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro Gly Pro Pro Gly Pro Pro
20 25 30

Gly Pro Gly Pro Gly Gly Val Ala Pro Ala Ala Gly
35 40

<210> 399

<211> 27

<212> PRT

<213> Homo sapiens

<400> 399

Gly Arg Arg Gly Lys Ala Gly Leu Arg Gly Pro Pro Gly Pro Pro Gly
1 5 10 15

Pro Arg Gly Pro Pro Gly Glu Pro Gly Arg Pro
20 25

<210> 400

<211> 10

<212> PRT

<213> Homo sapiens

<400> 400

Ser Thr Phe Ser Gly Phe Ile Ile Tyr Pro
1 5 10

<210> 401

<211> 29

<212> PRT

<213> Homo sapiens

<400> 401

Phe Pro Pro Gly Ala Lys Gly Glu Val Gly Arg Arg Gly Lys Ala Gly
1 5 10 15

Leu Arg Gly Pro Pro Gly Pro Pro Gly Pro Arg Gly Pro
20 25

<210> 402

<211> 243

<212> PRT

<213> Macaca mulatta

HODENAU 6415000001

<400> 402

Met Leu Leu Gly Ala Val Leu Leu Leu Ala Leu Pro Ser His Gly
1 5 10 15

Gln Asp Thr Thr Thr Gln Gly Pro Gly Val Leu Leu Pro Leu Pro Lys
20 25 30

Gly Ala Cys Thr Gly Trp Met Ala Gly Ile Pro Gly His Pro Gly His
35 40 45

Asn Gly Val Pro Gly Arg Asp Gly Arg Asp Gly Thr Pro Gly Glu Lys
50 55 60

Gly Glu Lys Gly Asp Pro Gly Leu Ile Gly Pro Lys Gly Asp Thr Gly
65 70 75 80

Glu Thr Gly Val Thr Gly Ala Glu Gly Pro Arg Gly Phe Pro Gly Ile
85 90 95

Gln Gly Arg Lys Gly Glu Pro Gly Glu Gly Ala Tyr Val Tyr Arg Ser
100 105 110

Ala Phe Ser Val Gly Leu Glu Thr Tyr Val Thr Val Pro Asn Met Pro
115 120 125

Ile Arg Phe Thr Lys Ile Phe Tyr Asn Gln Gln Asn His Tyr Asp Gly
130 135 140

Ser Thr Gly Lys Phe His Cys Asn Ile Pro Gly Leu Tyr Tyr Phe Ala
145 150 155 160

Tyr His Ile Thr Val Tyr Met Lys Asp Val Lys Val Ser Leu Phe Lys
165 170 175

Lys Asp Lys Ala Met Leu Phe Thr Tyr Asp Gln Tyr Gln Glu Asn Asn
180 185 190

Val Asp Gln Ala Ser Gly Ser Val Leu Leu His Leu Glu Val Gly Asp
195 200 205

Gln Val Trp Leu Gln Val Tyr Gly Glu Gly Glu Arg Asn Gly Leu Tyr
210 215 220

Ala Asp Asn Asp Asn Asp Ser Thr Phe Thr Gly Phe Leu Leu Tyr His
225 230 235 240

Asp Thr Asn

<210> 403

<211> 240

<212> PRT

<213> Bos taurus

<400> 403

Met Leu Leu Gln Gly Ala Leu Leu Leu Leu Ala Leu Pro Ser His
1 5 10 15

Gly Glu Asp Asn Met Glu Asp Pro Pro Leu Pro Lys Gly Ala Cys Ala
20 25 30

Gly Trp Met Ala Gly Ile Pro Gly His Pro Gly His Asn Gly Thr Pro
35 40 45

Gly Arg Asp Gly Arg Asp Gly Thr Pro Gly Glu Lys Gly Glu Lys Gly
50 55 60

Asp Ala Gly Leu Leu Gly Pro Lys Gly Glu Thr Gly Asp Val Gly Met
65 70 75 80

Thr Gly Ala Glu Gly Pro Arg Gly Phe Pro Gly Thr Pro Gly Arg Lys
85 90 95

Gly Glu Pro Gly Glu Ala Ala Tyr Val Tyr Arg Ser Ala Phe Ser Val
100 105 110

Gly Leu Glu Thr Arg Val Thr Val Pro Asn Val Pro Ile Arg Phe Thr
115 120 125

Lys Ile Phe Tyr Asn Gln Gln Asn His Tyr Asp Gly Ser Thr Gly Lys
130 135 140

Phe Tyr Cys Asn Ile Pro Gly Leu Tyr Tyr Phe Ser Tyr His Ile Thr
145 150 155 160

Val Tyr Met Lys Asp Val Lys Val Ser Leu Phe Lys Lys Asp Lys Ala
165 170 175

Val Leu Phe Thr Tyr Asp Gln Tyr Gln Glu Lys Asn Val Asp Gln Ala
180 185 190

Ser Gly Ser Val Leu Leu His Leu Glu Val Gly Asp Gln Val Trp Leu
195 200 205

Gln Val Tyr Glu Gly Glu Asn His Asn Gly Val Tyr Ala Asp Asn Val
210 215 220

Asn Asp Ser Thr Phe Thr Gly Phe Leu Leu Tyr His Asn Ile Val Glu
225 230 235 240

<210> 404

<211> 244

<212> PRT

<213> Homo sapiens

<400> 404

Met Leu Leu Leu Gly Ala Val Leu Leu Leu Ala Leu Pro Gly His

1

5

10

15

Asp Gln Glu Thr Thr Ile Gln Gly Pro Gly Val Leu Leu Pro Leu Pro
20 25 30

Lys Gly Ala Cys Thr Gly Trp Met Ala Gly Ile Pro Gly His Pro Gly
35 40 45

His Asn Gly Ala Pro Gly Arg Asp Gly Arg Asp Gly Thr Pro Gly Glu
50 55 60

Lys Gly Glu Lys Gly Asp Pro Gly Leu Ile Gly Pro Lys Gly Asp Ile
65 70 75 80

Gly Glu Thr Gly Val Pro Gly Ala Glu Gly Pro Arg Gly Phe Pro Gly
85 90 95

Ile Gln Gly Arg Lys Gly Glu Pro Gly Glu Gly Ala Tyr Val Tyr Arg
100 105 110

Ser Ala Phe Ser Val Gly Leu Glu Thr Tyr Tyr Thr Ile Pro Asn Met
115 120 125

Pro Glu Arg Phe Thr Lys Ile Phe Tyr Asn Gln Gln Asn His Tyr Asp
130 135 140

Gly Ser Thr Gly Lys Phe His Cys Asn Ile Pro Gly Leu Tyr Tyr Phe
145 150 155 160

Ala Tyr His Ile Thr Val Tyr Met Lys Asp Val Lys Val Ser Leu Phe
165 170 175

Lys Lys Asp Lys Ala Met Leu Phe Thr Tyr Asp Gln Tyr Gln Glu Asn
180 185 190

Asn Tyr Asp Gln Ala Ser Gly Ser Val Leu Leu His Leu Glu Val Gly
195 200 205

Asp Gln Val Trp Leu Gln Val Tyr Gly Glu Gly Glu Arg Asn Gly Leu
210 215 220

Tyr Ala Asp Asn Asp Asn Ser Thr Phe Thr Gly Phe Leu Leu Tyr
225 230 235 240

His Asp Thr Asn

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